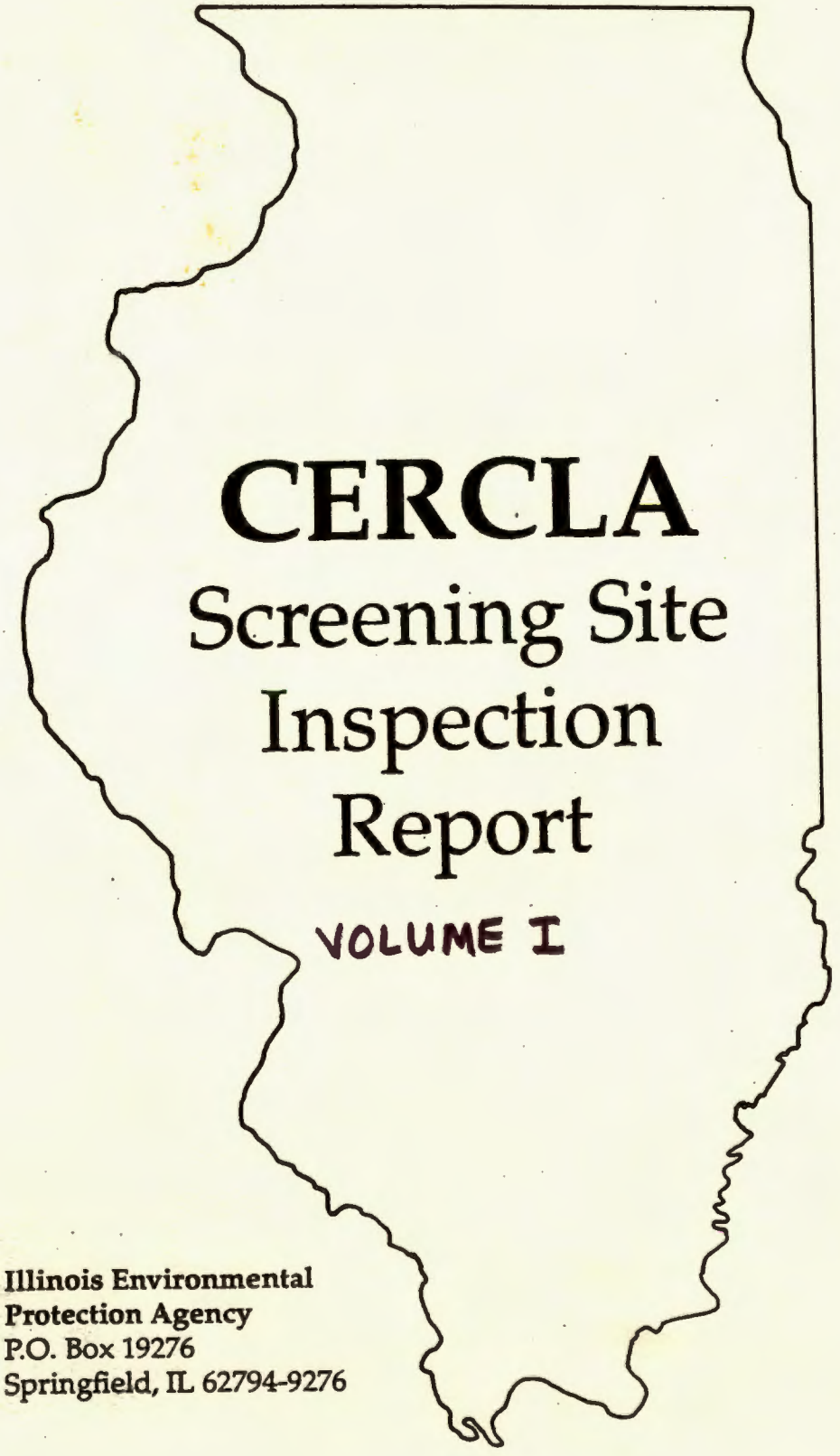


CERCLA
Screening Site Inspection Report

VOLUME I

Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

TABLE OF CONTENTS

5624 Wear C.

Section 1 - INTRODUCTION

1. INTRODUCTION

On September 22, 1992 the Illinois Environmental Protection Agency's Pre-Remedial Program was tasked by the U. S. Environmental Protection Agency (USEPA) to conduct a Screening Site Inspection of the Sterling Steel Foundry located in Sauget, Illinois.

This site was initially placed on CERCLIS (Comprehensive Environmental Response, Compensation & Liability Information System) in December of 1987 as a result of a request for discovery action initiated by the Illinois Environmental Protection Agency (IEPA). This action was taken when a state sponsored investigation of the Sauget area documented the presence of surface and subsurface contaminants at the site. In response to these findings, the Sterling Steel Foundry was placed on CERCLIS due to the facility's potential for allowing chemical substances associated with foundry processes to enter the environment through the four environmental pathways; groundwater, surface water, soil exposure, and air releases. Such releases may pose threats to the life and health of wildlife and human populations. The facility received its initial CERCLA evaluation in September of 1988 when John Morgan of the IEPA completed a formal Preliminary Assessment (PA) report. In March of 1993, the IEPA's Pre-Remedial program prepared and submitted to Region V offices of the USEPA a Screening Site Inspection work plan and site safety plan for

Sterling Steel Foundry. The sampling portion of the Screening Site Inspection was conducted on March 17 and 18, 1993 when the inspection team collected a total of twelve soil/sediment and waste samples. The purpose of a Screening Site Inspection has been stated by USEPA in a directive outline of Pre-Remedial program strategies. The directive states:

> All sites will receive a Screening SI to 1) collect additia data beyond the PA to enable a more refined preliminary HRS (Hazard Ranking System) score, 2) establish priorities among sites most likely to qualify for the NPL (National Priorities List), and 3) identify the most critical data requirements for the Expanded SI step. A Screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP (no further remedial action planned), or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA (Resource Conservation and Recovery Act).... Sites that are designated NFRAP or deferred to other statutes are not candidates for an Expanded SI. The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing site inspection (USEPA 1988).

The Region V Offices of the USEPA have also requested that the Illinois Environmental Protection Agency identify sites during the Screening Site Inspection that may require removal action to remediate an immediate human health and/or environmental threat. It is this author's findings that the site does not warrant such a response action.

Section 2 - SITE BACKGROUND

2. SITE BACKGROUND

2.1 INTRODUCTION

This section includes information obtained over the course of the formal CERCLA Screening Site Inspection investigation and previous Illinois Environmental Protection activities involving this site. Specific activities included an internal file search and a series of site representative interviews.

2.2 SITE DESCRIPTION

Sterling Steel Foundry (also known as peripheral site J of the Dead Creek Project, DCP), ILD# 006286520, is located in the northwest corner of St. Clair County in the Village of Sauget, 38 degrees 35 minutes 42 seconds north latitude and 90 degrees 10 seconds west longitude (Figures 2-1 and 2-2). It is currently bordered on the north and west by the Alton and Southern Railroad, on the south by Little Avenue, and on the east by a Mobil Oil tank farm (Figure 2-3). The address of Sterling Steel Foundry is 2300 Falling Springs Rd., Sauget, IL. The surrounding area includes a residential area to the south, the Mississippi River about 1.25 miles to the west, with the remaining area being heavily industrialized.

The entire site is approximately 10 acres in size, five acres of which is considered a surface disposal area that is defined by a triangular portion of the property directly north-northeast of a fence which encloses several foundry buildings

(Figure 2-3). Surface water drainage on the site is routed both via an isolated sewer system and by simple overland flow. The sewer system ultimately flows into two large pits - Pit A located immediately south of the surface disposal area, and Pit B situated on the site's southeastern corner. Overland flow from the surface disposal area appears to flow into a ditch running along the western side of this area. Additional overland drainage enters a small depression, Pit C, south of the foundry buildings.

2.3 SITE HISTORY

The Sterling Steel Foundry was initially privately owned and operated by R. O. Shive and Claude Harrell from 1922 to 1982. In 1982, St. Louis Steel Company, a public company, purchased the facility, and the name was changed from Sterling Steel Casting Company to its present name.

Based on a review of historical aerial photographs, it is believed that Pit B, located southeast of the plant building, was excavated approximately 30 years ago. The other unlined pit, Pit A, located to the north of the plant buildings, was excavated in approximately 1950. A small incinerator was situated immediately west of Pit A and had a stack approximately 15 to 18 feet in height. According to the plant operator, the incinerator was used solely to burn trash and empty bentonite sacks for 10 to 12 years after its installation

in 1970. According to the foundry's present operator, the area north of the foundry buildings, refered to as the 5-acre disposal area, had been used for the storage of used foundry sand. This sand was built up and periodically graded until approximately four years ago. At this time, the foundry began hauling the temporarily stored sand off site. Presently, however, no storage of foundry sand is occurring in this area.

Currently, the facility with its approximately 50 employees is engaged in manufacturing steel castings. The steel alloys casted at Sterling Steel Foundry, Inc. are A-216 WCB, A-217 (C-5 and C-12) and 8630. Their clientele consists primarily of railroad and heavy construction equipment companies. As of July 25, 1989, their production was approximately 90 tons per month.

2.4 PREVIOUS SAMPLING

In 1985, the IEPA authorized a state sponsored investigation in attempt to gather information necessary to qualify the Dead Creek Project sites for the National Priorities List. Preliminary site investigation activities began in October 1985 with field investigations conducted between November 1986 to July 1987. Geophysical investigations, including a magnetometry survey and electromagnetic induction surveys, a soil gas survey, surface soil sampling, and subsurface soil sampling, were conducted at the Sterling Steel

Foundry site.

The magnetometry survey did not reveal any significant anomalies within the Sterling Steel Foundry site although several small anomalies (possibly the result of buried slag or interference from steel castings and scrap metal stored near the survey area) did appear. The electromagnetic survey detected an elongated, elliptical-shaped anomaly southeast of Pit B - probably attributable to the stockpiled castings and scrap.

Three surface soil samples which were analyzed for USEPA Target Compound List (TCL) contaminants did not reveal the presence of any volatiles or semivolatiles (see Figure 2-4 for sample locations). Elevated chromium and nickel concentrations were detected, however. The same analysis was performed on three subsurface soil samples from the site (see Figure 2-4 for sample locations). Two samples showed evidence of both volatile and semivolatile organic compounds (including PCBs). A summary of the subsurface soil sampling results are shown in Table 2-1.

Twelve locations were tested for volatile soil gases. At four of these locations, volatile organic soil gases were substantially above background. All four of these locations are located in the northwestern portion of the site.

2.5 APPLICABILITY OF OTHER STATUTES

This section discusses the applicability of any other environmental statutes with regards to the Sterling Steel Foundry site.

There are no known records indicating that the Sterling Steel Foundry is or ever has been listed as a RCRA (Resource Conservation and Recovery Act) facility, nor does it fall under any other known environmental statute.

TABLE 2-1

SUMMARY OF SUBSURFACE SAMPLE RESULTS FOR SITE J

ECOLOGY AND ENVIRONMENT, INC. 1988

PARAMETER	SAMPLE WITH HIGHEST CONCENTRATION	CONCENTRATION (PPM)
Volatile Organics		
ETHYLBENZENE	J2	2
XYLENE	J2	8
Semivolatile Organics		
1,4-DICHLOROBENZENE	J3	0.21 J*
1,2-DICHLOROBENZENE	J3	0.1 J
NAPHTHALENE	J2	18
2-METHYLNAPHTHALENE	J2	61
DIBENZOFURAN	J2	1 J
FLUORENE	J2	3.5 J
PHENANTHRENE	J2	14
ANTHRACENE	J2	0.91 J
Pesticides		
AROCLOR 1260	J3	0.18

* *A "J" qualifier refers to an estimated value.*

Section 3 - SITE INSPECTION ACTIVITIES & ANALYTICAL RESULTS

3. SITE INSPECTION ACTIVITIES & ANALYTICAL RESULTS

3.1 INTRODUCTION

This section outlines procedures utilized and observations made during the CERCLA Screening Site Inspection conducted at the Sterling Steel Foundry site. Specific portions of this section contain information pertaining to the site representative interview, reconnaissance inspection, field activities, and analytical results. The Screening Site Inspection for the Sterling Steel Foundry site was conducted in accordance with the site inspection work plan (with the exception of noted changes) which was developed and submitted to the USEPA Regional Offices prior to the initiation of field activities.

The USEPA's Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Sterling Steel Foundry site is located in Appendix A of this report.

3.2 RECONNAISSANCE INSPECTION

At 10:35 AM on March 3, 1993, a CERCLA site reconnaissance visit to the Sterling Steel Foundry site was conducted by Kimberlee Hubbert and Lynnette Mick. The objective of this visit was to assess the site's topography, accessibility, and potential sources of contamination prior to sampling activities.

Upon arrival at Sterling Steel Foundry, IEPA personnel were met by Roy Lussow, operator at Sterling Steel Foundry, and briefly discussed the upcoming CERCLA Screening Site Inspection sampling and past sampling activities performed by Ecology & Environment, Inc. in 1988. IEPA personnel accompanied by Roy Lussow toured the grounds of the foundry by foot. The weather at the time of the tour was cloudy, 39 degrees farenheight, with a steady, moderate rain. During this tour, the previous areas of concern, the two pits and the 5-acre, triangular area north of the plant buildings were viewed. In addition to these potential sources, another pit/depression appearing to be accepting drainage from the site was seen southwest of Pit B. Another potential source was identified during the reconnaissance activities. This was a steep ditch located along the northwestern side of the triangular plot of land and adjacent to the railroad tracks. This ditch appeared to carry run off from the site north-northeasterly into a small, 0.5 acre wetland area.

The site appeared to be completely accessible. Although the foundry's southern portion is fenced, the fence gate is not locked. The triangular plot of land is not fenced and can be entered easily along its northwestern edge. The foundry was situated in a predominantly industrial area with approximately five homes located approximately 250 feet south of the site along Queeny Ave. Many workers were seen on the site and

appeared to have complete access to all areas of the site. The wetland areas on the site showed evidence of animal life - frogs were heard, various birds including mallard ducks were seen.

The general topography of the area appeared to be sloping away from the foundry buildings with various scattered depressions throughout the entire site. The 5-acre surface disposal area was grass covered and had a very irregular topography with many scattered depressions. However, there was evidence of a distinct run off path on the northwestern most edge of this area flowing into the side ditch. Throughout this area, scattered pieces of metal and chunks of hardened foundry sand were observed on the surface. Remains of rusted 55-gallon drums were seen both partially buried and completely exposed. Their was no information to identify the contents of these drums or there origin.

3.3 SITE REPRESENTATIVE INTERVIEW

On May 17, 1993, the IEPA sampling team, consisting of Sheila Murphy, Greg Spencer, Ken Corkill, and Lynnette Mick, arrived at the Sterling Steel Foundry site at 8:45 AM. At this time, Lynnette Mick met with Roy Lussow, Al McMahon - Attorney representing Sterling Steel Foundry, and Tim Hippensteel of Shannon & Wilson, Inc. who were contracted by Sterling Steel to collect split samples during sampling. Specific sampling

activities for that day and the following day were discussed and a copy of the work plan provided to Roy Lussow. It was agreed that the specific sample locations would be staked by Tim Hippensteel.

3.4 SOIL/SEDIMENT SAMPLING

On March 17 and 18, 1993, IEPA personnel collected ten soil/sediment samples (see Figure 3-1 for all sampling locations and Appendix B for photodocumentation) on site in areas of suspected contamination and off site for a background sample (background sample X115, collected December 9, 1992 in the same area as X109, was ultimately used for comparisons after X109 was found to contain elevated concentrations of certain contaminants). The main objective of these soil/sediment samples was to determine if any USEPA Target Compound List (TCL) contaminants were present at the site or at the nearby target wetland. (The Target Compound List is provided in Appendix C of this report.)

Sample X107 was collected from the depth of less than six inches in the southwestern portion of the foundry's parking lot; 45 feet, 8 inches southwest of the junction of the fences surrounding a gas tank and the foundry fence and 9 feet, 6 inches south of the foundry fence. This sample was taken to help characterize the site with regards to the extent of any possible contamination.

Sample X108 was collected at the depth of less than six inches in a lawn area at the southeastern most corner of the site. This area was grassy with scattered patches of moss. The specific location of this sample was 9 feet, 9 inches south of the eastern fence, 101 feet, 11 inches northwest of the southwestern fence corner. The rational for the selection of this area was guided by past sampling activities findings of subsurface contamination in this area.

The background sample, X109, was collected at the depth of less than six inches in an area of undisturbed soils assumed to be similar to the predominant soil type found at Sterling Steel Foundry. This sample was situated in a field approximately 0.5 miles south of the foundry on a flat, grassy lawn adjacent to a residence at the northeastern corner of Nickel and Ogden Ave. Sample X115, the background sample ultimately used for comparisons, was taken on December 9, 1992 in the same field, 68 feet, 4 inches east of the sanitary sewer manhole between Nickel and Queeny Ave. and 111 feet, 2 inches south-southwest of the southwestern corner of a private tennis court.

Sediment sample X201 was collected at the depth of less than six inches on the southern end of the ditch on the northwestern perimeter of the triangular 5-acre surface disposal area. Some standing water was present along with aquatic/wetland vegetation. The specific location of this sample was 53 feet south of the southern rail of the railroad

tracks and 276 feet east of a gas stand pipe marked 9A. Sample X202 and its duplicate, X207, were taken at the northern end of the same ditch at the approximate confluence of surface water run off from the surface disposal area. All three of the sediment samples taken in the ditch were taken in attempt to determine if potential contamination from the surface disposal area had impacted this wetland area.

Samples X203, X204, and X205 were sediment samples collected in Pits A, B, and C respectively. All three samples were collected at the edge of standing water nearby the point of water inflow. The specific location of sample X203 was 70 feet, 5 inches northwest of the silver-gray building by the fence partitioning off the surface disposal area from the rest of the foundry property, and 131 feet southeast of the fence around a nearby electrical transformer. This sample was collected in less than six inches of sediment. Sediment sample X204 was collected in less than eight inches of sediment, approximately 6 feet southeast of the PVC pipe draining into Pit B. Sample X205 was collected in less than six inches of sediment, approximately 50 feet straight out from Pit C's drainage pipe, 94 feet southeast of a brick shed and 116 feet from a fire hydrant on site. All three of these sediment samples were collected with the rational that potentially contaminated run off from the site would be accumulated in these pits and to determine if the target wetlands located in

two of these pits were potentially impacted.

The final sediment sample, X206 was collected in less than six inches of sediment, in a small wetland area just north of the perimeter ditch, 60 feet, 10 inches north of the first on site telephone pole along the northeastern perimeter fence, and 50 feet northwest of the fence line. This sample was taken to determine if potential contamination from the perimeter ditch was impacting this wetland.

Sample X204 was collected using a stainless steel bucket auger. The rest of the above soil/sediment samples were collected with stainless steel trowels.

Samples at each sample point (including the following waste samples) were placed into their respective glass containers in the following fashion; volatile jars filled first, semi-volatile organic jars second, and inorganic jars third. After sampling each location, all sample containers were capped with their respective lids and placed in coolers immediately following their collection. Decontamination of equipment was done at the IEPA's warehouse prior to and following the sampling portion of the SSI. Decontamination procedures include the cleaning of the equipment with liquid alconex and warm water, rinsing with tap water, rinsing with 50% acetone 50% distilled water mixture, rinsing with warm tap water, and a final rinsing of distilled water. The trowels and shovel were then air dried on paper towels and were wrapped in

aluminum foil.

3.5 WASTES SAMPLING

The past disposal practices of foundry sand in the 5-acre surface disposal area characterize this area as a waste pile. Therefore, samples X105 and X106 can be considered waste samples. Sample X105 was located in the central portion of the 5-acre surface disposal area; 17 feet north of the third telephone pole on the eastern edge of the site. Sample X106, also located in the surface disposal area, was located 94 feet northeast of the center of the large overhead door of a silver-gray building, 134 feet south of the telephone pole referred to in X105. Both of these samples were collected using stainless steel hand trowels. The sample locations were selected due to their potential to contain contaminants possibly adhering to core sand used in the foundry process. Four additional subsurface soil samples were originally planned to be collected in the 5-acre triangular plot using a power auger. However, all attempts at deep borings using the power auger and hand augers failed.

Table 3-1 summarizes individual samples with their locations, depths, and physical appearances. (Refer to the analytical data in Appendix D for detection limits associated with each sample point.)

TABLE 3-1.

Sample Descriptions

Sample	Depth	Appearance	Location
X105	0-6"	Dk. brown-black soil, red-brown fine foundry sand with small chunks green sand-like material	In northwest-central portion of 5-acre plot
X106	0-6"	Black, medium-fine sand	In southeastern corner of 5-acre plot
X107	12-18"	Cinder/slag, dark brown soil with some fine sand	In southwestern portion of foundry parking lot
X108	0-6"	Dk. brown silty, fine sand	In southeastern corner of foundry property
X109	0-6"	Dk. brown silty, clay	In lawn approximately 1/2 mile south of foundry; corner of Nickel and Ogden
X201	0-6"	Sandy, silty, black sediment	In center of ditch's southern end
X202 & X207	0-6"	Tan, silty clay with black mottling	In center of northern end of ditch at point of confluence with surface run off route
X203	0-6"	Medium brown sand with chunks of rust colored sand	In Pit A near PVC drain pipe
X204	0-8"	Dk. brown-black, fine-coarse sand	In Pit B approximately 6 feet from pipe
X205	0-6"	Dk. brown silty, fine sand - wet	In Pit C 50 feet inflow
X206	0-6"	Dk. brown fine sand	Wetland north of ditch
X115	1.5"	Light tan silty sand	Vacant land east of Ogden

3.6 SURFACE WATER SAMPLING

There were no surface water samples taken during the CERCLA Screening Site Inspection for the Sterling Steel Foundry site. Sediment sampling was chosen instead of surface water sampling for the Sterling Steel Foundry.

3.7 GROUNDWATER SAMPLING

There were no groundwater samples taken during the CERCLA Screening Site Inspection for the Sterling Steel Foundry site due to the nature of contaminantes suspected to be present at the facility and the limited number of drinking water wells within the 4 mile target distance limit.

3.8 AIR SAMPLING

No formal air samples were taken during the March 17 and 18, 1993 CERCLA Screening Site Inspection at Sterling Steel Foundry. However, all soil/sediment and waste samples were screened using a photoionization detector (HNu) during this investigation.

3.9 ANALYTICAL RESULTS

Chemical analysis of the soil/sediment samples revealed the presence of elevated concentrations of both organic and inorganic compounds. These include semi-volatiles, pesticides, and metals.

See Table 3-2 for a summary of the soil/sediment and waste sample results. The Sample Summary Table and complete laboratory analytical data of these results may also be found in Appendix D of this report.

3.10 KEY SAMPLES

Table 3-3 identifies those samples taken during the CERCLA Screening Site Inspection which were shown to contain contaminants at a level significantly higher than the background concentrations.

STERLING STEEL
FOUNDRY

ILD 006286520

TABLE 3-2. Sample Summary

SAMPLING POINTS	X 105 3-17-93		X 106 3-17-93		X 107 3-17-93		X 108 3-17-93		X 115 12-9-92		X 201 3-17-93		X 202 3-17-93		X 203 3-17-93		X 204 3-17-93		X 205 3-17-93		X 206 3-17-93		X 207 3-17-93	
* PARAMETER *	CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)	
VOLATILES									BACKGROUND															
Methylene Chloride	--		--		6.00	J	--		11.00	U	4.00	J	6.00	J	--		8.00	J	--		--		--	
Acetone	8.00	J	7.00	J	9.00	J	--		13.00	J	--		--		14.00	J	--		7.00	J	16.00	J	--	
2-Butanone (MEK)	--		6.00	J	--		--		11.00	U	--		--		--		--		--		8.00	J	--	
SEMIVOLATILES																								
Phenol	--		--		--		--		370.00	U	--		--		--		130.00	J	--		--		--	
Naphthalene	--		--		96.00	J	--		370.00	U	--		--		--		--		--		--		--	
2-Methylnaphthalene	--		--		110.00	J	--		370.00	U	--		--		--		--		--		--		--	
Phenanthrene	--		--		--		--		370.00	U	210.00	J	230.00	J	--		300.00	J	97.00	J	--		210.00	J
Fluoranthene	--		--		--		--		370.00	U	560.00		410.00	J	120.00	J	490.00		120.00	J	--		370.00	J
Pyrene	--		--		--		--		370.00	U	520.00		350.00	J	100.00	J	340.00	J	93.00	J	--		260.00	J
Benzo(a)anthracene	--		--		--		--		370.00	U	390.00	J	260.00	J	--		180.00	J	--		--		200.00	J
Chrysene	--		--		--		--		370.00	U	430.00	J	260.00	J	83.00	J	160.00	J	100.00	J	--		220.00	J
bis(2-Ethylhexyl)phthalate	--		--		91.00	J	--		370.00	U	--		250.00	J	--		330.00	J	--		--		470.00	
Benzo(b)fluoranthene	--		--		110.00	J	--		370.00	U	470.00	J	250.00	J	140.00	J	170.00	J	180.00	J	--		300.00	J
Benzo(k)fluoranthene	--		--		--		--		370.00	U	400.00	J	200.00	J	--		130.00	J	88.00	J	--		160.00	J
Benzo(a)pyrene	--		--		--		--		370.00	U	350.00	J	--		--		110.00	J	--		--		--	
Indeno(1,2,3-cd)pyrene	--		--		--		--		370.00	U	230.00	J	--		--		--		--		--		100.00	J
Benzo(g,h,i)perylene	--		--		--		--		370.00	U	210.00	J	--		--		--		--		--		--	
2-Cyclohexen-1-ol									120.00	JN														

STERLING IL
FOUNDRY

TABLE 3-2. Sample Summary

ILD 006266520

SAMPLING POINTS	X 105		X 106		X 107		X 108		X 115		X 201		X 202		X 203		X 204		X 205		X 206		X 207	
	3-17-93		3-17-93		3-17-93		3-17-93		12-8-92		3-17-93		3-17-93		3-17-93		3-17-93		3-17-93		3-17-93		3-17-93	
* PARAMETER *	CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)	
PESTICIDES & PCB'S																								
beta-BHC	--		--		--		--		1.90	U	--		--		--		--		--		1.20	JP	--	
gamma-BHC (Lindane)	2.10	J	0.76	JPX	--		--		1.90	U	--		--		--		--		--		--		--	
Dieldrin	--		--		41.00	PJ	5.90	PJ	3.70	U	--		94.00	PJ	--		44.00	PJ	49.00	PJ	--		91.00	PJ
4,4'-DDE	--		2.80	JP	120.00	PJ	--		3.70	U	--		190.00	PJ	8.70	PJ	--		50.00	PJ	1.70	J	180.00	PJ
Endrin	--		--		--		--		3.70	U	--		--		1.60	JP	--		--		--		--	
Endosulfan II	4.40	PJ	3.80	PJ	100.00	PJ	10.00	PJ	3.70	U	210.00	J	120.00	PJ	5.70	PJ	27.00	PJ	52.00	PJ	0.38	JP	130.00	PJ
4,4'-DDD	--		--		--		--		3.70	U	--		--		--		12.00	PJ	--		--		--	
Endosulfan Sulfate	--		--		88.00	PJ	--		3.70	U	95.00	PJ	--		--		37.00	PJ	82.00	PJ	--		150.00	PJ
4,4'-DDT	12.00	J	12.00	PJ	140.00	PJ	12.00	PJ	3.70	U	220.00	PJ	260.00	PJ	--		88.00	PJ	53.00	PJ	--		250.00	PJ
Methoxychlor (Mariate)	--		23.00	PJ	--		36.00	PJ	1.90	U	--		--		--		130.00	PJ	--		--		--	
Endrin Ketone	--		--		--		--		3.70	U	--		--		--		--		--		--		--	
Endrin aldehyde	9.50	PJ	--		--		--		3.70	U	--		100.00	PJ	--		--		20.00	PNJ	--		--	
alpha-Chlordane	1.00	J	0.82	JPX	--		--		1.90	U	--		27.00	PXJ	0.88	JPX	24.00	J	18.00	PXJ	0.71	JPX	30.00	PXJ
gamma-Chlordane	--		--		3.60	PJ	--		1.90	U	13.00	PJ	4.10	PJ	--		72.00	PJ	7.40	PJ	--		6.80	PJ
Aroclor-1248	--		--		--		--		3.70	U	--		--		--		--		--		72.00	p	--	
Aroclor-1254	77.00	P	93.00	P	--		200.00	P	3.70	U	--		4100.00	PDC	130.00	P	730.00	PDC	1700.00	PDC	50.00	P	4500.00	PDC
Aroclor-1260	130.00	P	120.00	P	260.00	JPDC	200.00	P	3.70	U	3200.00	PDC	3300.00	PDC	140.00	P	600.00	PDC	1500.00	PDC	--		3600.00	PDC
INORGANICS																								
Aluminum	3570.00		1110.00		13900.00		3730.00		6570.00		13900.00		14900.00		936.00		2440.00		2910.00		982.00		14200.00	
Arsenic	1.50		8.60		88.00		9.30		5.80	J	18.50		12.70		5.36		16.30		53.10		1.40		12.30	
Barium	49.20		19.50	B	2180.00		158.00		185.00		257.00		219.00		20.60	B	53.30		43.00		10.20	B	207.00	
Beryllium	0.28	B	--		1.50		0.43	B	0.48	B	1.10	B	1.10	B	--		0.26	B	0.23	B	--		1.10	B
Cadmium	--		--		4.30		1.10	B	1.10	U	8.60		10.00		--		2.00		3.30		--		9.80	
Calcium	4280.00		1770.00		32100.00		1550.00		16400.00		11300.00		6000.00		812.00	B	15300.00		12700.00		719.00	B	5910.00	
Chromium	35.60		17.40		16.70		112.00		10.50		92.60		31.90		37.80		56.70		25.60		23.80		29.40	
Cobalt	2.00	B	1.40	B	6.40	B	4.80	B	4.80		9.40	B	10.60	B	2.60	B	4.00	B	3.40	B	--		9.80	B
Copper	25.80		63.70		44.80		102.00		9.60		192.00		127.00		73.30		180.00		93.70		27.30		127.00	
Iron	10100.00		10100.00		26000.00		56600.00		11500.00		41400.00		23700.00		33400.00		35400.00		20500.00		12500.00		22700.00	
Lead	5.90		20.30		32.10		53.00		8.50		238.00		145.00		25.20		69.80		225.00		10.20		155.00	
Magnesium	859.00	B	381.00	B	2560.00		580.00	B	6580.00		4150.00		4280.00		--		1010.00		1190.00		284.00	B	4220.00	
Manganese	530.00		215.00		291.00		1000.00		279.00		558.00		575.00		442.00		707.00		350.00		425.00		529.00	
Mercury	--		0.04	BJ	0.15	J	0.03	BJ	0.02	U	46.70	J	3.40	J	0.02	BJ	0.11	BJ	0.30	J	--		3.80	J
Nickel	34.70		14.60		19.20		90.20		15.70		68.90		26.30		30.50		44.50		20.40		15.10		24.70	
Potassium	1070.00		657.00	B	1840.00		--		1470.00		2980.00		3780.00		--		--		--		--		4260.00	
Selenium	0.12	BJ	0.11	BJ	0.94	J	0.17	BJ	0.11	U	0.98	J	0.70	BJ	0.13	BJ	0.18	BJ	0.21	BJ	--		0.78	J
Silver	--		0.73	B	0.80	B	1.10	B	1.10	U	1.00	B	2.10	B	--		0.58	B	1.50	B	--		1.80	B
Sodium	336.00	B	416.00	B	589.00	B	--		387.00	U	528.00	B	--		--		--		--		420.00	B	--	
Thallium	--		--		1.20		--		0.11	U	--		--		--		--		--		--		0.13	BJ
Vanadium	8.70		2.17		33.40		9.80	B	19.10		31.40		36.00		4.10	B	7.20	B	9.80		3.70	B	36.10	
Zinc	33.40	J	39.70	J	485.00	J	127.00	J	38.90		954.00	J	793.00	J	86.50	J	228.00	J	362.00	J	37.20	J	781.00	J

STERLING STEEL FOUNDRY **ILD 006286520**

TABLE 3-3. Key Samples

SAMPLING POINTS	X 105		X 106		X 107		X 108		X 115		X 201		X 202		X 203		X 204		X 205		X 206		X 207	
	3-17-93		3-17-93		3-17-93		3-17-93		12-9-92		3-17-93		3-17-93		3-17-93		3-17-93		3-17-93		3-17-93		3-17-93	
* PARAMETER *	CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)		CONC (PPB)	
SEMIVOLATILES									BACKGROUND															
Fluoranthene	--		--		--		--		370.00	U	560.00		410.00	J	--		490.00		120.00	J	--		370.00	J
Pyrene	--		--		--		--		370.00	U	520.00		--		--		--		--		--		--	
Benzo(a)anthracene	--		--		--		--		370.00	U	390.00	J	--		--		--		--		--		--	
Chrysene	--		--		--		--		370.00	U	430.00	J	--		--		--		--		--		--	
bis(2-Ethylhexyl)phthala	--		--		--		--		370.00	U	--		--		--		--		--		--		470.00	
Benzo(b)fluoranthene	--		--		--		--		370.00	U	470.00	J	--		--		--		--		--		--	
Benzo(k)fluoranthene	--		--		--		--		370.00	U	400.00	J	--		--		--		--		--		--	
PESTICIDES																								
gamma-BHC (Lindane)	2.10	J	--		--		--		1.90	UJ	--		--		--		--		--		--		--	
Dieldrin	--		--		41.00	PJ	5.90	PJ	3.70	U	--		94.00	PJ	--		44.00	PJ	49.00	PJ	--		91.00	PJ
4,4'-DDE	--		--		120.00	PJ	--		3.70	U	--		190.00	PJ	8.70	PJ	--		50.00	PJ	--		180.00	PJ
Endosulfan II	4.40	PJ	3.80	PJ	100.00	PJ	10.00	PJ	3.70	U	210.00	J	120.00	PJ	5.70	PJ	27.00	PJ	52.00	PJ	--		130.00	PJ
4,4'-DDD	--		--		--		--		3.70	U	--		--		--		12.00	PJ	--		--		--	
Endosulfan Sulfate	--		--		88.00	PJ	--		3.70	U	95.00	PJ	--		--		37.00	PJ	62.00	PJ	--		150.00	PJ
4,4'-DDT	12.00	J	12.00	PJ	140.00	PJ	12.00	PJ	3.70	U	220.00	PJ	260.00	PJ	--		88.00	PJ	53.00	PJ	--		250.00	PJ
Methoxychlor (Marlate)	--		23.00	PJ	--		36.00	PJ	1.90	U	--		--		--		130.00	PJ	--		--		--	
Endrin Ketone	--		--		--		--		3.70	U	--		--		--		--		--		--		--	
Endrin aldehyde	9.50	PJ	--		--		--		3.70	U	--		100.00	PJ	--		--		20.00	PNJ	--		--	
alpha-Chlordane	--		--		--		--		1.90	U	--		27.00	PXJ	--		24.00	J	18.00	PXJ	--		30.00	PXJ
gamma-Chlordane	--		--		3.80	PJ	--		1.90	U	13.00	PJ	4.10	PJ	--		72.00	PJ	7.40	PJ	--		8.60	PJ
Aroclor-1248	--		--		--		--		3.70	U	--		--		--		--		--		72.00	P	--	
Aroclor-1254	77.00	P	93.00	P	--		200.00	P	3.70	U	--		4100.00	PDC	130.00	P	730.00	PDC	1700.00	PDC	50.00	P	4500.00	PDC
Aroclor-1260	130.00	P	120.00	P	260.00	JPDC	200.00	P	3.70	U	3200.00	PDC	3300.00	PDC	140.00	P	800.00	PDC	1500.00	PDC	--		3600.00	PDC
INORGANICS																								
Arsenic	--		--		88.00		--		5.80	J	--		--		--		--		53.10		--		--	
Barium	--		--		2180.00		--		185.00		--		--		--		--		--		--		--	
Beryllium	--		--		1.50		--		0.48	B	--		--		--		--		--		--		--	
Cadmium	--		--		4.30		1.10	B	1.10	U	8.60		10.00		--		2.00		3.30		--		9.80	
Chromium	35.80		--		--		112.00		10.50		92.60		31.90		37.80		56.70		--		--		--	
Copper	--		63.70		44.80		102.00		9.60		192.00		127.00		73.30		180.00		93.70		--		127.00	
Iron	--		--		--		56600.00		11500.00		41400.00		--		--		35400.00		--		--		--	
Lead	--		--		32.10		53.00		8.50		238.00		145.00		--		69.80		225.00		--		155.00	
Manganese	--		--		--		1000.00		279.00		--		--		--		--		--		--		--	
Mercury	--		0.04	BJ	0.15	J	0.03	BJ	0.02	U	46.70	J	3.40	J	0.02	BJ	0.11	BJ	0.30	J	--		3.80	J
Nickel	--		--		--		90.20		15.70		68.90		--		--		--		--		--		--	
Selenium	0.12	BJ	0.11	BJ	0.94	J	0.17	BJ	0.11	U	0.98	J	0.70	BJ	0.13	BJ	0.18	BJ	0.21	BJ	--		0.78	J
Silver	--		--		--		1.10	B	1.10	U	--		2.10	B	--		--		1.50	B	--		1.80	B
Sodium	--	B	416.00	B	589.00	B	--		387.00	U	528.00	B	--		--		--		--		420.00	B	--	
Thallium	--		--		1.20		--		0.11	U	--		--		--		--		--		--		0.13	BJ
Zinc	--		--		485.00	J	127.00	J	38.90		954.00	J	793.00	J	--		228.00	J	362.00	J	--		781.00	J

Section 4 - IDENTIFICATION OF SOURCES

4. IDENTIFICATION OF SOURCES

4.1 INTRODUCTION

This section discusses the various hazardous waste sources which have been identified at this site during the initial stages of the CERCLA site investigation.

Information concerning the approximate size, containment, and hazardous substances associated with each source as determined from the initial site assessment and the Screening Site Inspection sampling action. It should be pointed out however, that the total number and nature of each of the sources identified below may be subject to change, as the site progresses through the CERCLA site investigation program and receives further investigation.

4.2 CONTAMINATED SOILS

In correlation to the soil/sediment samples collected during the March 1993 SSI for the Sterling Steel Foundry site, analytical results indicate that the soil/sediment materials at six areas sampled on the site are contaminated with hazardous substances. These seven areas are as follows with locations marked on the Site/Source Map, Figure 2-3: (1) Pit A, (2) Pit B, (3) Pit C, (4) the Ditch, (5) the Lawn, and (7) the Parking lot.

Historical aerial photography of the area shows the excavation known as Pit B at the foundry as early as 1955. Pit

A was later excavated by 1962. The smallest pit, Pit C, was first encountered by IEPA personnel in 1993 although aerial photography indicates its presence as early as 1988. These three pits receive surface drainage from the foundry property via an underground drainage system and surface run off. According to the current foundry operator, these pits were designed exclusively to control surface water drainage on site so as to prevent the pooling of rainwater surrounding the buildings. There has been no evidence found (permits, or file records) to indicate that these pits were used for the containment of wastes, and thus were not considered surface impoundments in this report.

During the site reconnaissance visit and CERCLA SSI sampling event, IEPA personnel observed moderate flow into all three pits. Pits A and B contained emergent wetland vegetation such as cattails while Pit C contained no such vegetation. During the SSI sampling event, two mallard ducks were observed swimming in Pit B. Standing water was present in all three pits during both visits. All three pits are unlined and exposed. Therefore, the potential of a release of contaminants to groundwater and air exists. The largest and steepest pit, Pit B, showed evidence of buried debris along its exposed northwestern wall. A broken and rusted, partially buried 55 gallon drum was present in Pit B approximately 6 feet from its PVC pipe. Photo-ionization detector (HNu) readings were taken

of all three samples, X203, X204, and X205 for Pits A, B, and C respectively. No readings above background were detected. The approximate diameter at water level (estimated from aerial photography) and approximate surface area of contaminated soils are as follows:

PIT	DIAMETER	SURFACE AREA (ft^2)
A	100 feet	7,850
B	150 feet	17,663
C	50 feet	1,963

Analytical results from the three samples, X203, X204, and X205, indicate the presence of elevated levels of various pesticides, PCBs (the highest concentration was found in Pit C - Aroclor 1254 at 1700 ppb), metals (such as chromium, copper, cadmium, iron, lead, and zinc), and Fluoranthene (the highest concentration was found in Pit B at 490 ppb). For a listing of the other contaminant concentrations associated with each source, refer to Table 3-3.

Analytical results from the soil/sediment samples (X107, X108, X201, X202, X206, and X207) taken during the March 1993 SSI for the Sterling Steel Foundry site, suggest wide spread surficial soil contamination, predominantly metals, pesticides, and PCBs over approximately 3 acres of the site. Samples from the perimeter ditch show elevated levels of various semivolatile organic compounds as well as the highest

concentrations of PCBs at the site (Aroclor 1254 - 4500 ppb). The specific sources and approximate areas of soil contamination identified by these samples are as follows:

SOURCE	SURFACE AREA (ft^2)
Ditch	11,250
Lawn	87,120
Parking lot	43,560

All three of these sources show a potential to release to groundwater and the air. The ditch ultimately flows to a small wetland north of the site, and therefore this source poses a potential to release via surface water. Specific analytical results associated with each source may be in Table 3-3.

In addition to current evidence of surficial contamination, analytical results from the state sponsored Expanded Site Inspection of the entire Dead Creek Project Area in May 1988 show evidence of volatiles and semi-volatiles in subsurface soil samples from Sterling Steel Foundry (Table 2-1).

4.3 WASTE PILE

As previously mentioned in section 3.5, the 5-acre disposal area is being considered a waste pile due to past disposal practices of foundry sand in this area. As a result of such disposal practices in combination with the underlying

geology, this source has the potential to release to groundwater. No containment (such as diking) exists to prevent the overland flow of run off from entering the surface water pathway. As noted earlier, a distinct run off path was observed entering the perimeter ditch from the northeastern edge of the 5-acre disposal area. Portions of this area are completely exposed and thus dispersion of particulate contamination by the wind is possible.

Analytical results from samples X105 and X106 indicate the presence of various pesticies, PCBs, and metals (such as chromium and copper) in significantly elevated concentrations. A listing of these contaminants and their concentrations may be found in Table 3-3.

Section 5 - MIGRATION PATHWAYS

5. MIGRATION PATHWAYS

5.1 INTRODUCTION

The CERCLA Pre-Remedial Site Assessment Program identifies three migration pathways and one exposure pathway by which hazardous substances may pose a threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these four pathways. The pathways evaluated are groundwater migration, surface water migration, soil exposure, and air migration.

This section presents and discusses information collected during the CERCLA Screening Site Inspection of Sterling Steel Foundry. This information, together with information documented to other sources, will be utilized in analyzing the site's impact on the four pathways and the various human and environmental targets within the established target distance limits.

Discussions of the pathways will include pathway descriptions, contaminant sources, and targets, such as human populations, fisheries, endangered species, wetlands and other sensitive environments.

5.2 GROUNDWATER

The Sterling Steel Foundry site is located in the region known as the American Bottoms. This region and the Mississippi River channels are located in a broad, deeply cut bedrock

valley. ISGS well logs indicate that the upper stratigraphy in this region consists of 70 to 120 feet of unconsolidated alluvium and glacial outwash overlying Mississippian aged limestone and sandstone formations - Ste. Genevieve and St. Louis Limestones (see Appendix E for well logs). The valley fill deposits are composed of two formations, the uppermost being the Cahokia Alluvium followed by the Mackinaw Member of the Henry Formation. All of these deposits are hydrologically connected.

The Cahokia Alluvium, the uppermost formation, is primarily composed of silt, clay, and fine sand deposits. The thickness of these deposits vary between 15 to 30 feet. The Mackinaw Member of the Henry formation found underlying the Cahokia alluvium, is composed of sand and gravel from glacial outwash. In the Sauget area, this material rests directly on bedrock and varies between 70 to 100 feet in thickness (see Figure 5-1 for a generalized geologic column for the area).

Local hydrogeologic information had been obtained through groundwater monitoring in the Sauget area. In the vicinity of Sterling Steel Foundry, shallow sand and gravel deposits close to the ground surface may yield water for nearby homes and business. Horizontal groundwater movement in the shallow deposits generally follow the land surface topography, with lateral movement toward local discharge zones (wells and small streams) and some movement into the deeper unconsolidated

aquifers.

The water table in the area of the Sterling Steel Foundry is located approximately 15 feet below the ground surface and is not separated from the surficial deposits by any confining layer. Therefore, there exists the potential for releases of contaminants from all previously mentioned, uncontained sources, to groundwater. These contaminants include various metals, pesticides, and semivolatile organic compounds.

Most area residents are supplied with drinking water by the Illinois-American Water Company (IAWC) which operates an intake on the Mississippi river upstream of Sauget. IAWC sells the water to the various water departments and districts within the Sauget/Cahokia area. Records obtained from the Illinois State Water Survey indicate the presence of both private and industrial wells within the target distance limit of 4 miles from the foundry that would be potentially impacted by contamination of this shallow aquifer (see Figure 5-2 for the area of concern and Appendix F for well database printouts). None of these wells are believed to be currently used for drinking water, however, due to the public's widespread knowledge of alleged groundwater contamination. Therefore, it is assumed that the entire target population obtains drinking water from other sources.

5.3 SURFACE WATER

All surface run off appears to be contained on site via the drainage system mentioned earlier with exception of run off from the surface disposal area entering the perimeter ditch located northwest of the property. From observations made during the three separate visits made to the site corresponding to the current CERCLA SSI, it was determined this run off flows approximately six feet down a hill and enters the perimeter ditch's northern end which is considered a wetland. This ditch channels water north-northeasterly into the aprroximately 0.5 acre wetland area approximately 20 feet to the north. At this point, the water stagnates, and the overland flow appears to terminate.

Analytical results from sediment samples indicate the presence of various contaminants in the perimeter ditch including high levels of PCBs in the northern end of the ditch that is considered a wetland. However, a sample collected from the 0.5 acre wetland indicates much lower concentrations of PCBs (Aroclor 1254 - 50 ppb, Aroclor 1248 - 72 ppb) and elevated sodium concentrations (although not above normal sodium concentrations in Illinois).

5.4 AIR

During the CERCLA Screening Site Inspection, no documented releases to the air were observed and no formal air samples

collected. Air at each sample point during the investigation, however, was screened using an HNu photoionization detector with an 11.7 eV lamp. No readings above background were found in the twelve samples taken or during the attempted borings.

There are no known records or reports of complaints on file of air releases from the site. There have been numerous complaints, however, regarding air releases from the adjacent Monsanto Chemical Company. Sterling Steel Foundry currently holds two operating permits for, 1) an induction melting furnace and 2) shakeout/sandscreen and dust collection. IEPA records as far back as 1967 show no records of air emissions violations.

The potential for wind blown particulates to carry contaminants off site is possible due to the presence of exposed surficial contaminants. The 5-acre surface disposal area which lacks significant vegetative cover, and the parking lot, easily lend themselves to such wind blown dispersion. Within a 4-mile radius of the site the estimated population is 93,278 persons with a population breakdown shown in Table 5-1. The nearest individual is located along Queeny Ave., approximately 250 feet south of the foundry. The worker population at Sterling Steel Foundry is approximately 50.

TABLE 5-1.

Population Breakdown Within Target Distance Limit*

DISTANCE (MILES)	PERSONS
On site	0
0 - 1/4	10
1/4 - 1/2	41
1/2 - 1	3,359
1 - 2	15,607
2 - 3	34,727
3 - 4	39,534

* *Population estimates are based on 1989-1990 municipal populations and 1990 U.S. Census Data of St. Clair County's average persons per household of 2.76.*

The only known sensitive environments within the air pathway target distance limit from the Sterling Steel Foundry site are wetlands (see Appendix G for Sensitive Environments Form). The approximate wetland acreage is shown in Table 5-2 has been estimated from U.S. Department of the Interior Wetland Inventory Maps.

TABLE 5-2.

Approximate Wetland Acreage Distance Breakdown

DISTANCE (MILES)	WETLAND ACREAGE
On site	2.0 acres
0 - 1/4	0.8 acres
1/4 - 1/2	10.0 acres
1/2 - 1	70.0 acres
1 - 2	500.0 acres
2 - 3	350.0 acres
3 - 4	600.0 acre

5.5 SOIL EXPOSURE

Soil/sediment and waste samples collected during the Screening Site Inspection suggest a potential for direct human contact with hazardous constituents. Sample results indicate an area of observed soil contamination exists on site within the top eighteen inches of sampled soils/sediments. The inorganic contamination consisting of various metals may be

attributable to the site's foundry processes and disposal practices. The volatile organic, semi-volatile organic, and pesticide contamination found on site is of unknown origin at this time. Compounds found three times background concentrations or above detection limits were used to identify those areas of observed contamination (Appendix D for detection limits). As mentioned in section 2-4, evidence of subsurface (approximately 20 feet deep) contamination was found on site during a state sponsored investigation of the Sauget area. This contamination, however, was speculated to have originated from spills at the adjacent Mobile Oil tank farm.

Dermal contact with contaminated soils would most likely occur in the 5-acre triangular plot of land and ditch north of plant buildings. This unfenced area is completely accessible to the public although the area does not show evidence of any recreational use. The ditch accepting surface run off from this area is immediately adjacent to the Alton & Southern Railroad tracks along the eastern side of Falling Springs Road. The nearest resident individual is located along Queeny Ave., approximately 250 feet south of the site. The nearby population within 1 mile of Sterling Steel Foundry has been estimated to be 3,410 persons (a distance breakdown is shown in Table 5-1). There are no known residents, schools, or daycare establishments within 200 feet of the site. There are however approximately 50 workers on the site.

Section 6 - REFERENCES

6. REFERENCES

Bureau of the Census. County and City Data Book. 1990 U.S. Census data.

Ecology and Environment Incorporated (E&E). May, 1988, Expanded Site Investigation Dead Creek Project Sites at Cahokia/Sauget, Illinois prepared for Illinois Environmental Protection Agency, Division of Land Pollution Control.

Illinois Department of Transportation. April 7, 1988. Aerial photograph.

Illinois Environmental Protection Agency, Division Files from Land, Water, and Air.

Illinois Environmental Protection Agency, Division of Public Water Supplies. May 6, 1993. Groundwater Monitoring Location Report.

Illinois Environmental Protection Agency. March 3, 17, and 18, 1993. Site reconnaissance visits to Sterling Steel Foundry, Inc. performed by IEPA personnel.

Illinois Environmental Protection Agency. September 23, 1992. CERCLA Screening Site Inspection Report for Sauget Sites Area #1 prepared by Tim Murphy, Springfield, Illinois.

Illinois Environmental Protection Agency. September, 1988. CERCLA Preliminary Assessment for Sterling Steel Foundry, Inc. ILD 0062886520 prepared by John Morgan, Springfield, Illinois.

Illinois State Water Survey Hydrology Division. July 26, 1993. Public & Industrial, Commercial Survey (PICS) Database and Private Well Database for St. Clair County, Townships 1N, 2N and Ranges 9W, 10W.

Lutz, Richard W. Illinois Department of Conservation, Division of Planning, Impact Analysis Section Supervisor. July 19, 1993. Personal correspondence.

U.S. Department of the Interior. Fish and Wildlife Service, National Wetlands Inventory Maps: Monks Mound, IL. Quadrangle 225A; Granite City, IL-MO Quadrangle 225B; Cahokia, IL-MO Quadrangle 225C; French Village, IL, 225D (all 7.5 Minute Series).

U.S. Geological Survey, 1974, Monks Mound, IL. Quadrangle 225A; 1982, Granite City, IL-MO Quadrangle 225B; 1974, Cahokia, IL-MO Quadrangle 225C; 1982, French Village, IL, 225D (all 7.5 Minute Series).

FIGURES

FIGURE 2-1.

STERLING STEEL FOUNDRY

SAUGET, ILLINOIS

Site Location

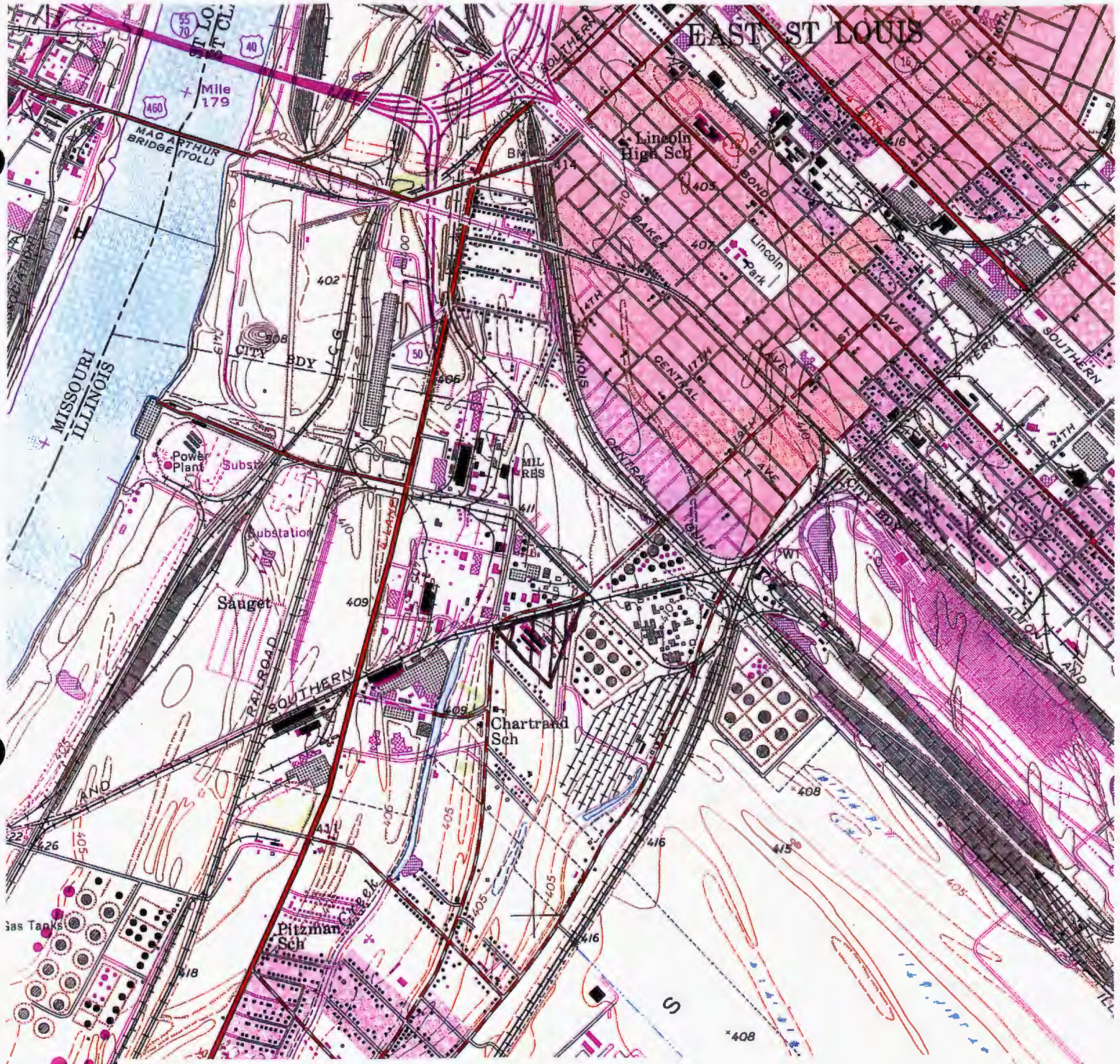


FIGURE 2-2. VICINITY MAP

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

STERLING STEEL FOUNDRY ILD 006286520

Base Map: USGS Cahokia Quadrangle

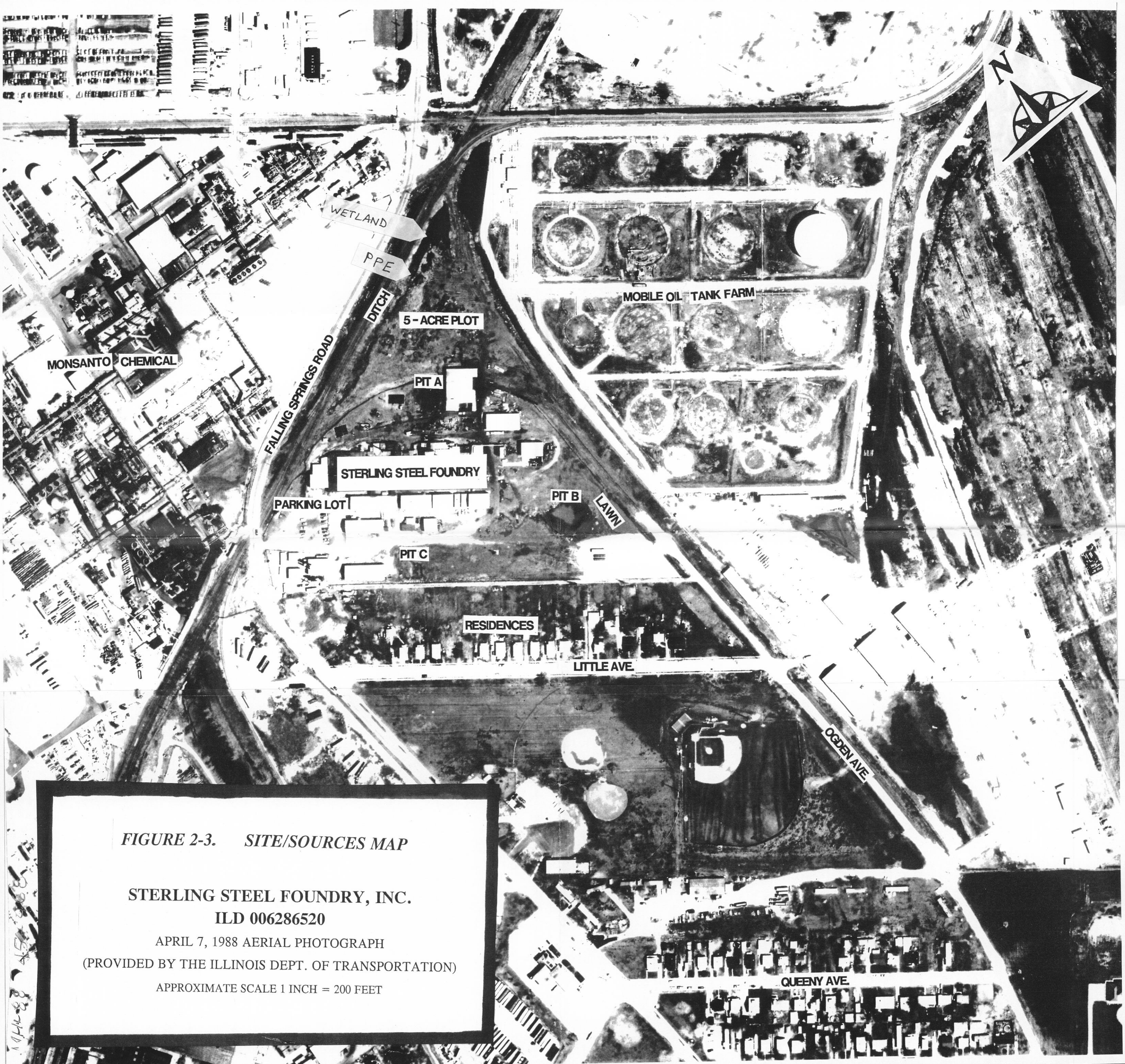


FIGURE 2-3. SITE/SOURCES MAP

STERLING STEEL FOUNDRY, INC.
ILD 006286520

APRIL 7, 1988 AERIAL PHOTOGRAPH

(PROVIDED BY THE ILLINOIS DEPT. OF TRANSPORTATION)

APPROXIMATE SCALE 1 INCH = 200 FEET

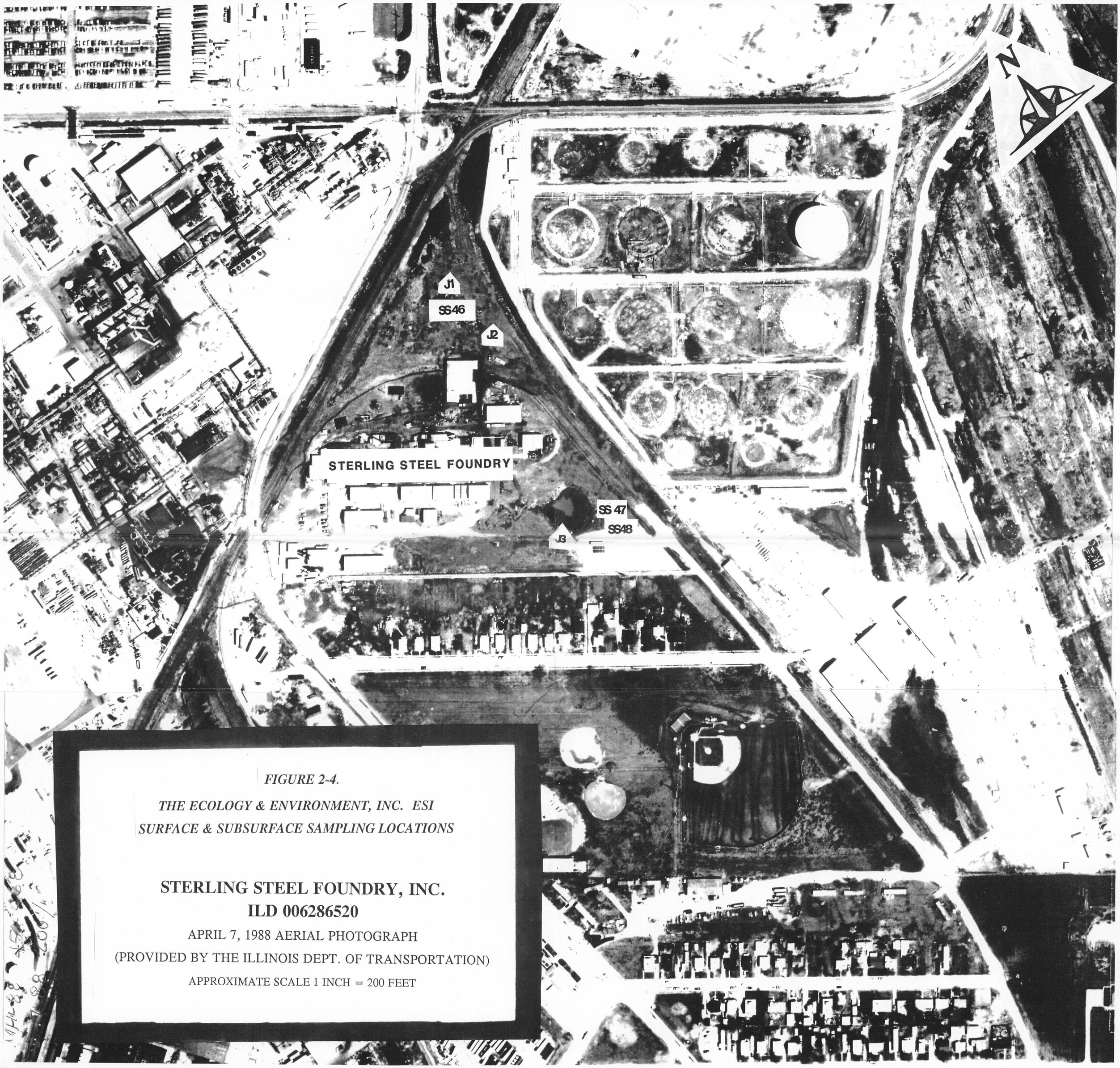


FIGURE 2-4.

THE ECOLOGY & ENVIRONMENT, INC. ESI

SURFACE & SUBSURFACE SAMPLING LOCATIONS

STERLING STEEL FOUNDRY, INC.
ILD 006286520

APRIL 7, 1988 AERIAL PHOTOGRAPH

(PROVIDED BY THE ILLINOIS DEPT. OF TRANSPORTATION)

APPROXIMATE SCALE 1 INCH = 200 FEET

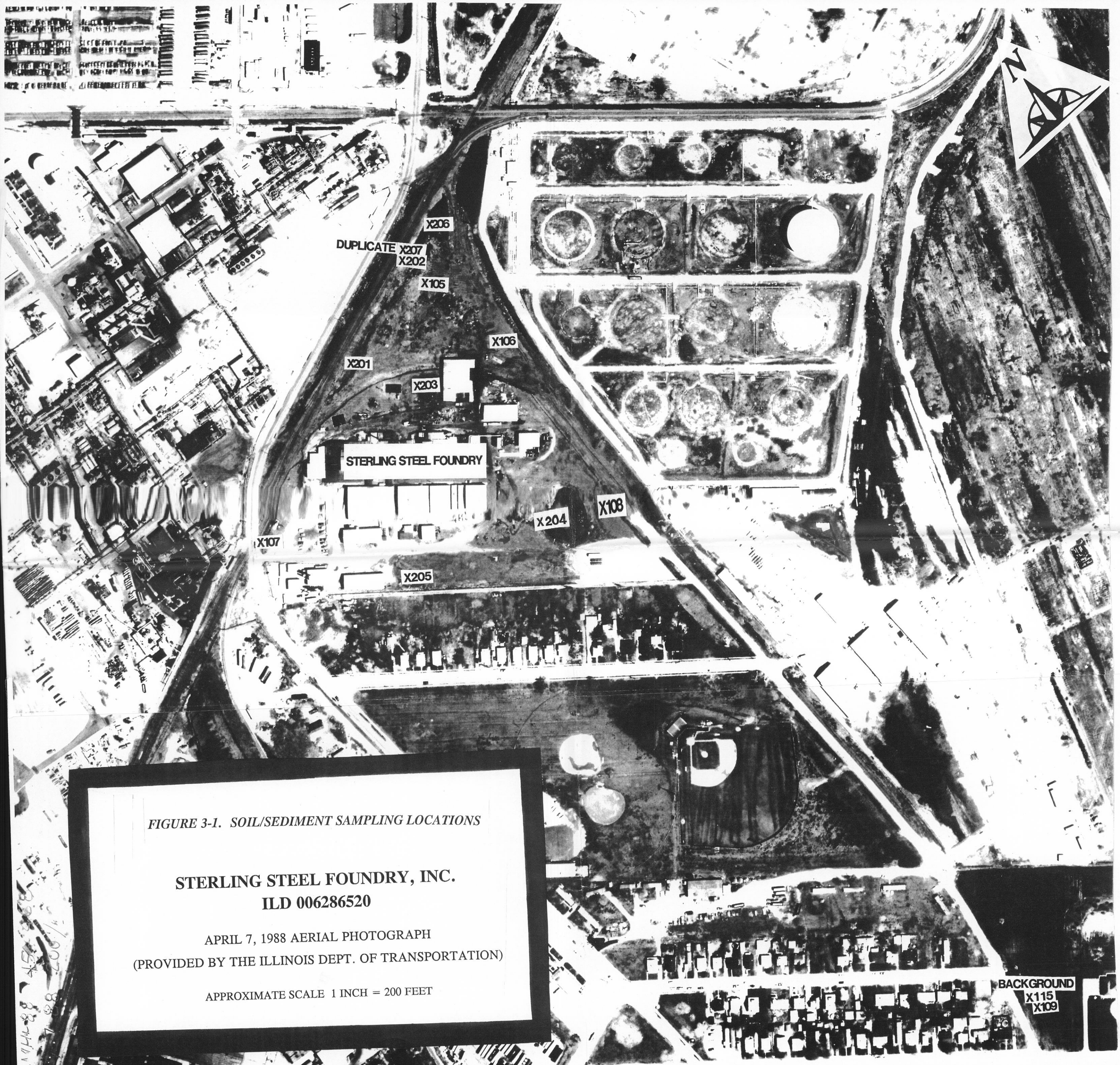
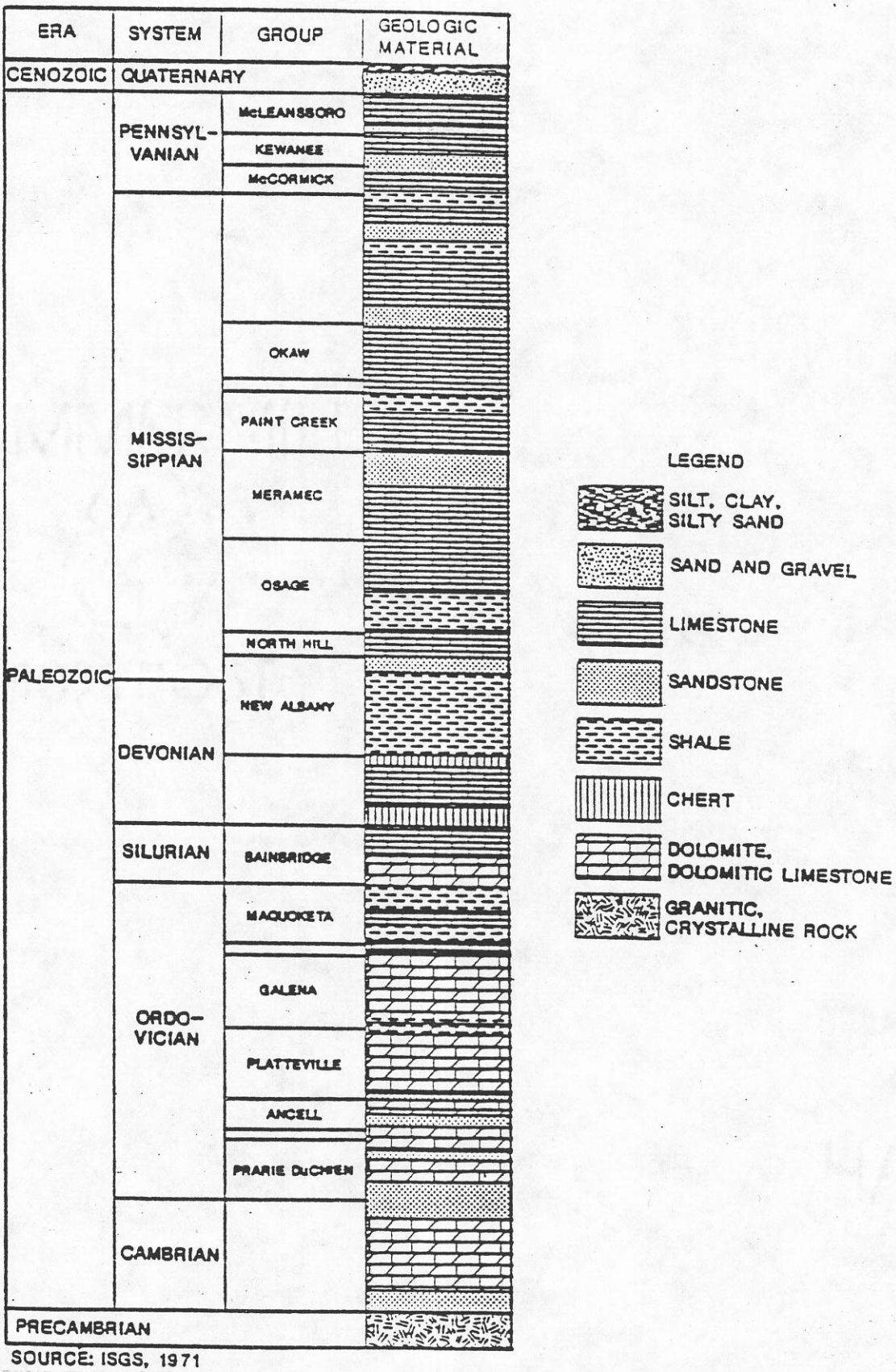


FIGURE 3-1. SOIL/SEDIMENT SAMPLING LOCATIONS

STERLING STEEL FOUNDRY, INC.
ILD 006286520

APRIL 7, 1988 AERIAL PHOTOGRAPH
(PROVIDED BY THE ILLINOIS DEPT. OF TRANSPORTATION)

APPROXIMATE SCALE 1 INCH = 200 FEET



SOURCE: ISGS, 1971

Figure 5-1 GENERALIZED GEOLOGIC COLUMN FOR SOUTH-CENTRAL ILLINOIS

1/4 MILE

1/2 MILE

1 MILE

2 MILES

3 MILES

4 MILES

FIGURE 5-2.

FOUR MILE RADIUS TOPOGRAPHIC MAP

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY	N	SITE NAME: Sterling Steel Foundry SITE ILD#: 006286520

USGS TOPOGRAPHIC MAPS	
NAME: Granite City, IL DATE: 1954 REVISED: 1982	NAME: Monks Mound, IL DATE: 1954 REVISED: 1968, 1974
NAME: Cahokia, IL DATE: 1954 REVISED: 1968, 1974	NAME: French Village, IL DATE: 1954 REVISED: 1982
MAP SCALE 1 : 24,000	

LEGEND

SITE LOCATION

NEAREST WELL (PRIVATE)

N/A-PUBLIC WELL

N/A-SURFACE INTAKE

ILLINOIS

QUADRANGLE LOCATION

APPENDIX A

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	006286520

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
STERLING STEEL FOUNDRY, INC.	2300 FALLING SPRINGS ROAD

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
SAUGET	IL	62206	ST. CLAIR	163	21

09 COORDINATES	10 TYPE OF OWNERSHIP (Check one)
LATITUDE 38° 35' 42." / LONGITUDE 90° 10' ___.__	☐ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ■ F. OTHER PUBLIC COMPANY ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 / 17, 18 / 93 (MONTH DAY YEAR)	■ ACTIVE ☐ INACTIVE	1922 (BEGINNING YEAR) / PRESENT (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
■ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
LYNNETTE MICK	LIFE SCIENCE CAREER TRAINEE	IEPA	(217) 782-6760
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
SHEILA MURPHY	ENVIRONMENTAL PROTECTION SPECIALIST	"	( ) "
GREG SPENCER	"	"	( ) "
KEN CORKILL	"	"	( ) "
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
ROY LUSSOW	VICE PRES./ OPERATOR	2300 FALLING SPRINGS ROAD, SAUGET, IL 62206	(314) 353-5800
AL MCMAHON	ATTORNEY	PEPER MARTIN	(314) 444-6445
TIM HIPPENSTEEL	PRINCIPAL ENVIRONMENTAL SCIENTIST	SHANNON + WILSON, INC. 1500 OLIVE BLVD. ST. LOUIS, MO	(314) 872-8170
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	BEGIN 8:45 AM	

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO
LYNNETTE MICK	IEPA BOL/RPMS	(217) 782-6760

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
"	"	"	"	8 / 18 93 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	0062865520

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0 *
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

* GROUNDWATER IS NOT BELIEVED TO BE CURRENTLY USED FOR DRINKING IN THE AREA ALTHOUGH PRIVATE WELLS ARE PRESENT.

01 ☐ B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ■ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: 93,278 *
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

THERE IS A POSSIBILITY FOR WIND BLOWN CONTAMINATED PARTICULATES/SOIL TO BE CARRIED OFF SITE.

* ESTIMATED POPN. W/IN 4 MILES OF SITE - EXCLUDING ST. LOUIS, MO.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ■ E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 3,410 *
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

* ESTIMATED POPN. W/IN 1 MILE OF SITE

01 ■ F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: ≈ 10 (Acres)
02 ■ OBSERVED (DATE: 3/17-18/93) ☐ POTENTIAL ■ ALLEGED
04 NARRATIVE DESCRIPTION

ANALYSIS OF SOIL/SEDIMENT SAMPLES REVEALED THE PRESENCE OF CONTAMINANTS.

01 ☐ G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ■ H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: ≈ 50
02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

THERE ARE APPROXIMATELY 50 WORKERS AT STERLING STEEL FOUNDRY.

01 ☐ I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	006286520

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR	72100990 78080093	2/8/88	2/8/93	(MAY HAVE A NEWLY ISSUED PERMIT)
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
■ B. PILES	UNKNOWN	
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
■ F. LANDFILL OFF SITE	VARIES	
☐ G. LANDFARM		
☐ H. OPEN DUMP		
■ I. OTHER (Specify) EVIDENCE OF PAST BURIAL.	UNKNOWN	

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER _____ (Specify)

05 OTHER

- ■ A. BUILDINGS ON SITE

06 AREA OF SITE

≈ 15 TOTAL (Acres)

POTENTIAL SOURCES ≈ 10 ACRES.

07 COMMENTS

* OFF SITE LANDFILL IS NOT AFFILIATED WITH STERLING STEEL FOUNDRY, INC. IT ACCEPTS SPENT FOUNDRY SANDS.
BFI, IN BELLEVILLE, IL ID NO. 1630100022

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ■ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

NO FORMAL METHODS OF CONTAINMENT ARE ON SITE.
3 PITS ACCEPT RUNOFF (NO LINERS). OFF SITE RUNOFF OBSERVED.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ■ YES ☐ NO

02 COMMENTS

ONLY PARTIALLY FENCED; GATE REMAINS UNLOCKED.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

IEPA FILES, SITE VISITS, AERIAL PHOTOGRAPHY.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	0062836520

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. 10^{-6} – 10^{-8} cm/sec ☐ B. 10^{-4} – 10^{-6} cm/sec ☐ C. 10^{-4} – 10^{-3} cm/sec ■ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm/sec) ■ C. RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
70-120 (ft)	UNKNOWN (ft)	UNKNOWN	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
39.5 (in)	3.0 (in)	<2 %	N-NW	<2 %

09 FLOOD POTENTIAL: PROTECTED BY SITE IS IN 500 YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum) ONSITE

ESTUARINE	OTHER
A. — (mi)	B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species): 9 (mi) DOWNSTREAM AT RM 165.5

ENDANGERED SPECIES: BALD EAGLE

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS	
		PRIME AG LAND	AG LAND
A. 0 (mi)	B. 0.05 (mi)	C. UNKNOWN (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

(SEE USGS TOPOGRAPHIC MAP, FIGURE 5-2).

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA SSI SAUGET SITES AREA #1. TIM MURPHY, IEPA, SEPT. 23, 1992.

USGS TOPOGRAPHIC MAPS & 1990 U.S. CENSUS BUREAU DATA.

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION
01 STATE: LD | 02 SITE NUMBER: 00628652O

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
ST. LOUIS STEEL CO.		100 MOTT STREET		ST. LOUIS	MO	63111

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE
ST. LOUIS STEEL CO.		100 MOTT STREET		ST. LOUIS	MO	6311

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
R.O. SHIVE & CLAUDE HARREL						

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

ECOLOGY & ENVIRONMENT ESI DEAD CREEK SITES. MAY 1988.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	006286520

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
STERLING STEEL FOUNDRY	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
2300 FALLING SPRINGS RD.	

05 CITY	06 STATE	07 ZIP CODE
SAUGET	IL	62206

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

IEPA FILES.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	006286520

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

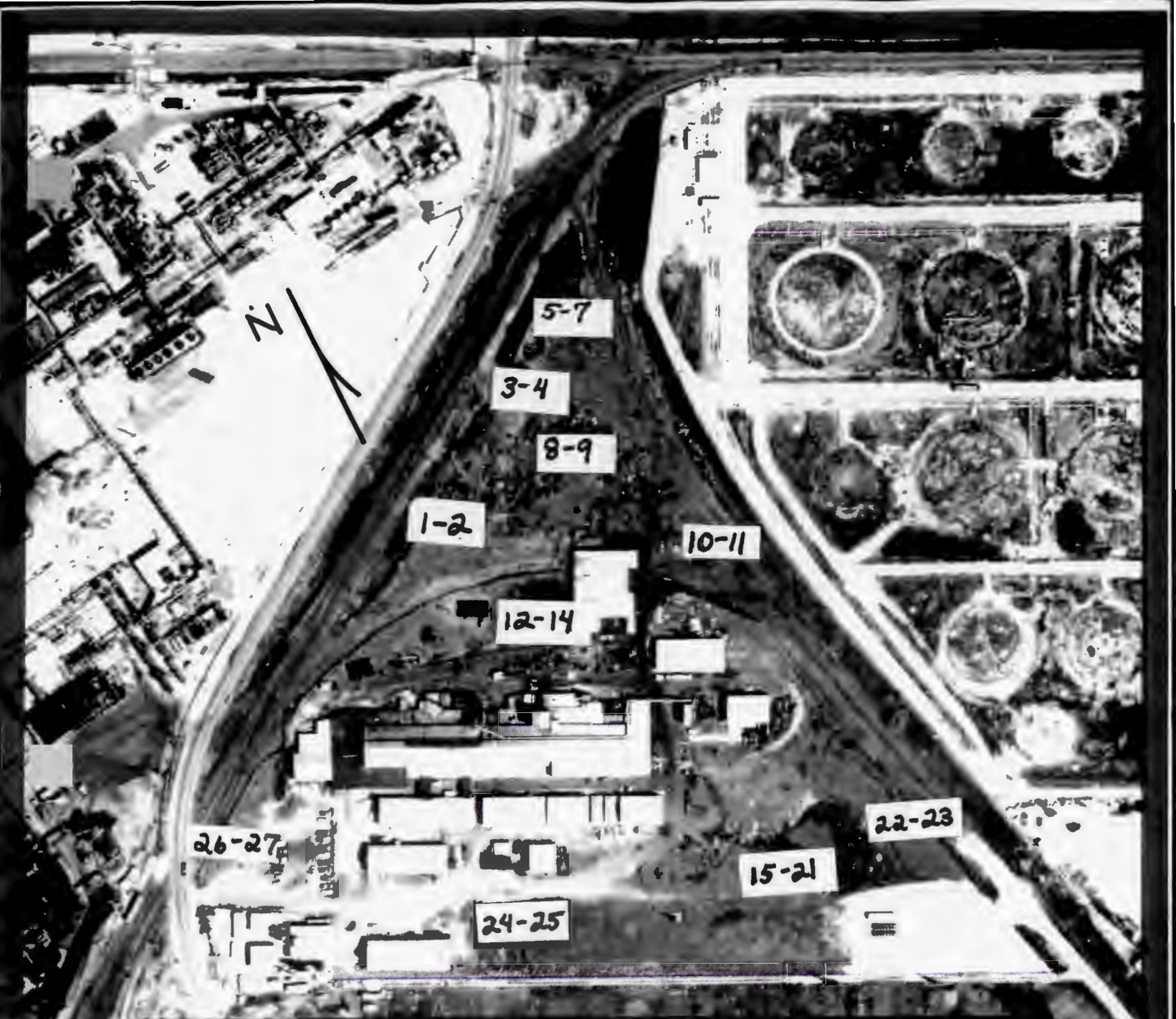
01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

APPENDIX B



CERCLA SCREENING SITE INSPECTION
MARCH 17 & 18, 1993

STERLING STEEL FOUNDRY, INC. ILD 006286520

PHOTOGRAPH LOCATIONS

(PHOTOS 28 & 29 LOCATED APPROXIMATELY
0.5 MILES SOUTH OF THE FOUNDRY)

BASE MAP: IDOT AERIAL PHOTO APRIL 7, 1988
SCALE: 1 INCH = 200 FEET

DATE: March 17, 1993

TIME: 11:20 AM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER 1

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X201 sample location, in a ditch approximately 53 feet of south rail of RR tracks and 276 feet east of gas stand pipe 9A.

DATE: March 17, 1993

TIME: 11:20 AM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER 2

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the west

Photo of X201 sample location, in a ditch approximately 53 feet of south rail of RR tracks and 276 feet east of gas stand pipe 9A.

DATE: March 17, 1993

TIME: 11:40 AM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 3

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X202/X207 sample location, at the northern end of the ditch at the point of confluence with surface drainage from the triangular plot.

DATE: March 17, 1993

TIME: 11:40 AM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 4

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the west

Photo of X202/X207 sample location, at the northern end of the ditch at the point of confluence with surface drainage from the triangular plot.

DATE: March 17, 1993

TIME: 12:20 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 5

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the east

Photo of X206 sample location, at the northern end of the ditch in a small depression next to a fence. Cattails and evidence of wildlife.

DATE: March 17, 1993

TIME: 12:20 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 6

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the west

Photo of X206 sample location - close-up of cattail.

)ATE: March 17, 1993

TIME: 12:20 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 7

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the northeast

Photo of X206 sample location. Photo taken from the top of the depression.

DATE: March 17, 1993

TIME: 12:40 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 8

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X105 sample location in the tri-angular plot of land north-northeast of the foundry buildings.

DATE: March 17, 1993

TIME: 12:40 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 9

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the west

Photo of X105 sample location in the tri-angular plot of land north-northeast of the foundry buildings.

DATE: March 17, 1993

TIME: 1:30 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 10

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X106 sample location in the tri-angular plot of land north-northeast of the foundry buildings.

DATE: March 17, 1993

TIME: 1:30 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 11

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the south

Photo of X106 sample location in the tri-angular plot of land north-northeast of the foundry buildings.

DATE: March 17, 1993

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 12

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the south

Photo of X203 sample location in the northern most pit.

DATE: March 17, 1993

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 13

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the northwest

Photo of X106 sample location in the northern most pit.

DATE: March 17, 1993

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:
Lynnette Koutnik

PHOTO NUMBER: 14

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the northwest

Photo of drainage pipe in the northern most pit.

DATE: March 24, 19

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Lynnete Koutnik

PHOTO NUMBER: 15

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of the south-eastern pit filled with water and cattails. Sample X204 was taken here.

DATE: March 17, 1993

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Lynnette Koutnik

PHOTO NUMBER: 16

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north-northeast

Photo of southeastern pit showing exposed debris previously buried.

DATE: March 17, 1993

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 17

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north-northeast

Photo of X204 sample location in the southwestern pit. A broken 55-gallon drum and drainage pipe can be seen.

DATE: March 17, 1993

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 18

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the southwest

Photo of drainage pipe located in the southeastern pit. Moderate water flow from this pipe was seen.

DATE: March 17, 1993

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 19

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the south-southeast

Photo of X204 sample location in the southeastern pit.

DATE: March 17, 1993

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Lynnette Koutnik

PHOTO NUMBER: 20

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X204 sample location in the southeastern pit. foundry buildings.

DATE: March 17, 1993

TIME: 2:45 PM

PHOTOGRAPH TAKEN BY:
Lynnette Koutnik

PHOTO NUMBER: 21

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of pipe and drum in the southeastern pit.

DATE: March 17, 1993

TIME: 3:15 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 22

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X108 sample location in the southeastern corner of the site's fenced area.

DATE: March 17, 1993

TIME: 3:15 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 23

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the southwest

Photo of X108 sample location in the southeastern corner of the site's fenced area.

DATE: March 17, 1993

TIME: 3:50 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 24

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the south-southeast

Photo of X205 sample location in the south pit.

DATE: March 17, 1993

TIME: 3:50 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 25

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the south-southwest

Photo of X205 sample location in the south pit.

DATE: March 17, 1993

TIME: 4:15 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 26

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the southeast

Photo of X107 sample location in the southwest corner of the parking lot.

DATE: March 17, 1993

TIME: 4:15 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 27

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the northwest

Photo of X107 sample location in the southwestern corner of the parking lot.

DATE: March 17, 1993

TIME: 4:55 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 28

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the west

Photo of X109 sample location in a field approximately 0.5 miles south of the site adjacent to a residence at the corner of Nickel and Ogden.

DATE: March 17, 1993

TIME: 4:55 PM

PHOTOGRAPH TAKEN BY:
Greg Spencer

PHOTO NUMBER: 29

LOCATION: L 1631215017
St. Clair County
Sterling Steel Foundry
ILD 006286520

PICTURE TAKEN TOWARD
the north

Photo of X109 sample location in a field approximately 0.5 miles south of the site adjacent to a residence at the corner of Nickel and Ogden.

APPENDIX C

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chloride	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroethene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl)Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis(2-Chloroisopropyl)Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene
2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3,3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Indeno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlorodane
Heptachlor	gamma-Chlorodane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobalt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	Sulfate

U.S.E.P.A. DEFINED DATA QUALIFIERS

UALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
• J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
• C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
• B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
• D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	not used

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference
• A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
• M	not used	Duplicate injection (a QC parameter) not met.
• N	not used	Spiked sample (a QC parameter) recovery not within control limits.
• S	not used	The reported value was determined by the Method of Standard Additions (MSA).
• W	not used	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
• *	not used	Duplicate analysis (a QC parameter) not within control limits.
• +	not used	Correlation coefficient for MSA (a QC parameter) is less than 0.995.

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
P	not used	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
• CV	not used	Method qualifier indicates analysis by Cold Vapor AA.
• AV	not used	Method qualifier indicates analysis by Automated Cold Vapor AA
• AS	not used	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
• T	not used	Method qualifier indicates Titrimetric analysis.
• NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
• R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

APPENDIX E

Collinsville
NW¼ 1F37

322

LOG OF WATER WELL

American Zinc Co - Monsanto

Property owner United Engineers + Const. Inc. E. St. Louis Well No. 6

Drilled by H. L. Walton (Vandalia, Ill) Year Nov. 1940

Formations passed through	Thickness	Depth of Bottom
Cinder + Mud	15	15
Fine sand	60	75
Good water bearing formation	30	105
Quicksand to bottom	2	107

Abandoned

[Continue on back if necessary]

Finished in ____ at ____ to ____ ft.

Cased with ____ inch ____ from 0 to ____ ft.

and ____ inch ____ from ____ to ____ ft.

COUNTY No. 1926

Size hole below casing ____ inch. Static level from surf. 34 ft.

Tested capacity 1500 gal. per min. Temperature ____ °F.

Water lowered to ____ ft. ____ in. in ____ hrs. ____ min.

Length of test ____ hrs. ____ min. Screen Cook

Slot 120 Diam. 16 Length 30' Bottom set at ____ ft.

[Show location in Section Plat]

Township name ____ Elev. ____ Sec. 23

Description of location SE, SE Sec 23 Twp. 2N

T 2N, R 10 W (approx.) Rge. 10W

Location by Monsanto Water Dept.

Signed ____ County St. Clair

ST. CLAIR NO ENVELOPE 23-2N-10W

Copy for Illinois State Geological Survey Index

251

LOG OF WATER WELL

Property owner United Engineers Well No. 7
American Zinc Co. Monsanto, Ill.

Drilled by Walton (Moretti + Perilge) Year Jan. 1942

Formations passed through	Thickness	Depth of Bottom
Dirt	5	
Fine sand	45	50
Coarse sand	25	75
gravel	30	105

COUNTY No. 1929

[Continue on back if necessary]

Finished in ____ at ____ to ____ ft.

Cased with ____ inch ____ from 0 to ____ ft.

and ____ inch ____ from ____ to ____ ft.

Size hole below casing ____ inch. Static level from surf. 33'6" ft.

Tested capacity ____ gal. per min. Temperature ____ °F.

Water lowered to ____ ft. ____ in. in ____ hrs. ____ min.

Length of test ____ hrs. ____ min. Screen ____

Slot 40+50 Diam. 16" Length 30' Bottom set at ____ ft.

[Show location in Section Plat]

Township name ____ Elev. 404 TOPO Sec. 23

Description of location SE, SE Sec. 23, T2N, R10W Twp. 2N

F00'N90°10'7000'N38°35' (approx.) Rge. 10W

Location by Illinois-American Water Co.

Signed ____ County St. Clair

ST. CLAIR NO ENVELOPE 23-2N-10W

Copy for Illinois State Geological Survey Index

Fl. Ro IF-36   321

LOG OF WATER WELL

...ng American Zinc Co.
...erty owner Monsanto, Ill.   Well No. 8

...led by H. L. Watson   Year Feb. 1946

Formations passed through	Thick-ness	Depth of Bottom
Gumbo	20	20'
Quick sand	30	50'
Sand	16	66'
Med. Sand	10	76
No log	2	102
TD=102		

[Continue on back if necessary]

...nished in ______ at ______ to ______ ft.

COUNTY No. 1927

...sed with ______ inch ______ from 0 to ______ ft.

and ______ inch ______ from ______ to ______ ft.

...ze hole below casing ______ inch. Static level from surf. ______ ft.

...sted capacity ______ gal. per min. Temperature ______ °F.

...ater lowered to ______ ft. ______ in. in ______ hrs. ______ min.

...ngth of test ______ hrs. ______ min. Screen Cook

...lot ______ Diam. 16 Length 30' Bottom set at ______ ft.

[Show location in Section Plat]

...ownship name ______ Elev. ______   Sec. 23

...escription of location SE, SE Sec. 23   Twp. 2N

T2N, R10W   Rge. 10W

Location by Groundwater Div.

...igned ______ County St. Clair

ST. CLAIR   23-2N-10W

...opy for Illinois State Geological Survey   No ENVELOPE   Index:

LOG OF WATER WELL

Property owner American Zinc Co. Monsanto, Ill.   Well No. 9

Drilled by H. L. Watson (G. W. Finle)   Year Nov. 1950

Formations passed through	Thick-ness	Depth of Bottom
Mud	35	35
Sand	45	80
Medium sand	20	100
Sand & coarse gravel	4	104
TD=104'		

[Continue on back if necessary]

Finished in ______ at ______ to ______ ft.

COUNTY No. 1928

Cased with ______ inch ______ from 0 to ______ ft.

and ______ inch ______ from ______ to ______ ft.

Size hole below casing ______ inch. Static level from surf. ______ ft.

Tested capacity ______ gal. per min. Temperature ______ °F.

Water lowered to ______ ft. ______ in. in ______ hrs. ______ min.

Length of test ______ hrs. ______ min. Screen ______

Slot ______ Diam. 40" Length 60' Bottom set at ______ ft.

[Show location in Section Plat]

Township name ______ Elev. ______   Sec. 23

Description of location SW, SE Sec. 23   Twp. 2N

T2N, R10W   Rge. 10W

Location by Groundwater Div.

Signed ______ County St. Clair

ST. CLAIR   23-[illegible]-10W

Copy for Illinois State Geological Survey   No ENVELOPE   Index:

John C. Moore Corpora ...hester, N. Y. Binder and holes in leaves, each Patented 1908. ...1136

(575—5M—7-23)

TOWNSHIP MAP No. 4W

ANY Union Electric Light and Power 10W

300 ft. S. of North property Line

ORITY 50 ft. E. of Eastern Inner 2 Proj.

ATION Harbor Line HOLE No. 6 N 23

ECTOR DATE DRILLED

COUNTY NO. 163 2 STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH IN.
Water	16		16	
Sand, fine	12		28	
Sand, coarse	10		38	
Sand, very coarse 1/2 in. gravel	10		48	
Sand, coarse	27		75	
Sand, coarse 5% 1/2 in. gravel	4		79	
Sand, coarse 25% 1/2 in. gravel	4		89	
Sand, coarse 40% 3 in. gravel	3		92	
Sand with gravel	12	8	104	8

Minus 76.06 rock

nty St. Clair

RILL RECORD Index No. Projected 23-2N-10W

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1908. ...1136

(575—5M—7-23)

TOWN Cahokia TOWNSHIP MAP No. 4W

COMPANY Union Electric Light & Power 10W

FARM 100 ft. S. of N. property Line on

AUTHORITY Eastern Inner Harbor Line. 2 Proj.

ELEVATION HOLE No. 7 N 23

COLLECTOR DATE DRILLED

No.	COUNTY NO. 163 3 STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH IN.
	Water	35		35	
	Sand, fine	5		40	
	Sand, coarse 5% 2 in. gravel	10		50	
	Sand, coarse 15% 1/8 in. gravel	15		65	
	Sand, coarse 20% 1 1/2 and 10% 1/8 in. gravel	12		77	

563

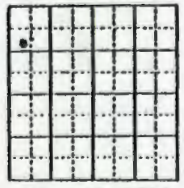
St. Clair County

DRILL RECORD Index No. Projected 23-2N-10W

ILLINOIS GEOLOGICAL SURVEY, URBANA

MIT # NF 08825	Thickness	Top	Bottom
;" test hole was first drilled to a lepth of 111', then filled in with ;and and later re-drilled with a ;igger bit. Both records follow.			
ST HOLE			
ıy		0	11
.ty sand brown		12	21
ıe sand brown		22	30
ıe sand gray		31	41
.ium sand gray		42	51
rse sand gray with pea gravel		52	56
ırse sand gray with pea gravel		57	61
ırse sand gray with pea gravel		62	86
y coarse sand gray with 3/8" gravel		87	91
y coarse sand gray with ½" gravel		92	96
y coarse sand gray with ½" gravel		97	101
y coarse sand gray with ½" gravel		102	104
y coarse sand gray with ½" gravel		105	111
			TD
L RECORD			
y		0	18
d coarse gray			20
d coarse gray with gravel			25
d fine			30
d coarse gray with gravel			35
d coarse gray with gravel			40
d coarse gray with 1" gravel			45
d coarse gray with 1" gravel		55	60
d coarse gray with 3/4" gravel		65	70

IY Luhr Brothers, Inc.
Cerro Copper & Brass Co, NO. 1
DRILLED July 10, 1970 COUNTY NO. 3208
NTY Company
TION
ON 1000' N line, 400' W line of NW
ST. CI R



26-2N-10W

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
Sand very coarse gray			75
Sand very coarse gray with cobbles to 5"		80	110½ TD

Well Casing:
- Material - Steel coated with bituminous
- Diameter: 20" outside diameter
- Length - 78.73'
- Wall Thickness - .075

Final Casing Elevation Above Grade: 1'

Size of Drilled Hole:
- 40" to 20'
- 38" to bottom

Well Screen:
- Material - Stainless steel #304
- Diameter - 20" nominal
- Length - 31.82
- Slot Size - .100
- Type Make - UOP Johnson

Depth of Screen set at 110.55'

Gravel Filter:
- Used 23 tons Muscatine, 1/16" - 3/16" No. 3
- Wall Thickness - 8½"
- Feet Above Screen - 26'

Static Level: 23.86'

S.S. # 57106.

Y Luhr Bros., Inc. Cerro Copper & Brass Co
ST. CLAIR 26-2N-10W

(2840—50M—12-61)

3741

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
l	1'6"		1'6"
d	34		35'6"
e gravel	6		41'6"
vel & sand	24		65'6"
vel & boulders	13		84'6"
vel	5'6"		90
rse gravel & boulders	18		108

ted 1400 gallons per minute.

.er stands 12'6" from surface of ground.

:er stands 26'6" when pumping 1400
gallons per minute.

:e of well 24".

cubic yards of gravel.

terial used in well:
50' of 38" Pit,
106'8" of 24" which includes 58' of 24"
Shutter Screen & 48'4" of 24" Pit.

nd of seal used Steel Plug.

O'N and 50'E of crossing of Alton &
outhern R.R. & Falling Springs Rd.

PANY Layne & Bowler Company
Monsanto Chemical Works NO. 1
DRILLED May 8, 1920 COUNTY NO. 1741
IORITY Layne & Bowler Co.
'ATION 410' ±
ATION *
NTY ST. C R

Projected 26-2N-10W

LOG OF WATER WELL

Test well

Property owner Monsanto Chem. Co. Well No. #1

Drilled by Layne-Western (F. Sally) Year Feb. 1948

Formations passed through	Thickness	Depth of Bottom
Soil Fill	1	1
Cinder fill	4	5
Cinders, blue, green clay	5	10
Cinders & fine black sand	5	15
Fine black sand & clay	5	20
" " " , streak med. gray sand	5	25
Fine black mucky sand, hard to get through	20	45
Med. Coarse gray sand	10	55
Coarse gray sand	5	60
Fine, packed gray-brown sand boulders from 67½ to	14	74
Sand & gravel, packed w/ much fine sand	3	77
Packed sand, gravel & boulders	3	80
Packed sand, gravel & Boulders	13	93
Sand & Boulders	9	102
		TD
(Formation in general is very tight)		

[Continue on back if necessary]

Finished in ____ at ____ to ____ ft.

Cased with ____ inch ____ from 0 to ____ ft.

and ____ inch ____ from ____ to ____ ft.

Size hole below casing ____ inch. Static level from surf. ____ ft.

Tested capacity ____ gal. per min. Temperature ____ °F.

Water lowered to ____ ft. ____ in. in ____ hrs. ____ min.

Length of test ____ hrs. ____ min. Screen ____

Slot ____ Diam. ____ Length ____ Bottom set at ____ ft.

[Show location in Section Plat]

Township name ____ Elev. 410 TOPO Sec. 26

Description of location SW, NE Sec. 26, T 2 N, R 10 W Twp. 2 N

Rge. 10 W

Signed ____ County St. Clair

CLAIR NO ENVELOPE

For Illinois State Geological Survey Index: 26-21 .OW

(22544—50M—9-55)

ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
Redish sandy and blue silt		0	15
Grey sand little silt		15	20
Grey sand		20	25
Blue and grey sand		25	30
Fine grey sand		30	35
Fine grey sand and blue silt		35	40
Fine blue and grey sand		40	45
No recovery wash samole. Fine blue and grey sand		40	50
No recovery wash sample. fine blue and grey sand.		50	55
Fine blue sand, No recovery		55	60
Blue sand and wood no recovery		60	65
Grey and blue sand. No recovery		65	70
Fine blue sand. No recovery		70	75
Fine blue sand. No recovery		75	80
Medium blue sand. No recovery		80	85
Mixed grey and blue sand no recovery		85	90
Mixed grey and blue sand. No recovery		90	95
Mixed blue and grey sand. Could not drive sample Barrell. Felt like gravel		95	100
Blue and grey sand. No spoon aample taken.		100	105
Blue and redish sand. no spoon sample taken. Drove casing to 110'4". Set well screen at 108'11". Could not get any deeper as sand was running under casing.		105	110
Total Depth			110'4" TD

Location plat filed.
S.S.# 29900

ANY Wabash Drilling Co.
Monsanto Chemical Co. NO. SR-2
DRILLED November 1956 COUNTY NO. 1987
DRITY Wabash Drilling Co.
TION 412.5' refusal (MSL)
TION 680'W of 90° 10'W longitude, 4310'N of 38° 35' north latitude.
TY ST. CL. Projected 26- 2N-10W

SC Jack Buffe (or Kelly) Photo IF-88

Plotted on Photo

LOG OF WATER WELL

Property owner Monsanto Chem. Co. (Plant "B") Well No. 12

Drilled by H. C. Watson Year

Formations passed through	Thickness	Depth of Bottom
Mold	70	
Fine Sand	5	75
Coarse sand & gravel	5	80
Coarse sand & gravel	5	85
" " " "	5	90
" " " "	5	95
" " " "	5	100
Sand & gravel	5	105
" " "	5	110
Few Boulders	2	112

[Continue on back if necessary]

COUNTY No. 1944

Finished in at to ft.

Cased with inch from 0 to ft.

and inch from to ft.

Size hole below casing inch. Static level from surf. 39'6" ft.

Tested capacity 1250 gal. per min. Temperature °F.

Water lowered to ft. in. in hrs. min.

Length of test hrs. min. Screen Johnson

Slot 60-80-100 Diam. 16 Length 27½' Bottom set at ft.

[Show location in Section Plat]

Township name Elev.

Description of location SE, NE Sec. 26, T 2 N, R 10 W

Sec. 26 Twp. 2N Rge. 10W

Located by Ground Water Div.

Signed County St. Clair

ST. CLAIR No ENVELOPE 26-2N 0W

Copy for Illinois State Geological Survey Index:

283

#17

LOG OF WATER WELL

Property owner Monsanto Chem. Co. Well No. 9

Drilled by H.C. Watson (Wally) Year July 1941

Formations passed through	Thickness	Depth of Bottom
Fill	10	10
Mud	8	18
Yellow Sand	10	28
Gray Sand (getting coarser)	35	63
#30 sand	15	78
#40 gravel	5	83
#50 "	5	88
#60 "	17	105 TD

[Continue on back if necessary]

COUNTY No. 1947

Finished in ... to ... ft.

Cased with ... inch ... from 0 to ... ft.

and ... inch ... from ... to ... ft.

Size hole below casing ... inch. Static level from surf. 30 ft.

Tested capacity ... gal. per min. Temperature ... °F.

Water lowered to ... ft. ... in. in ... hrs. ... min.

Length of test ... hrs. ... min. Screen Johnson

Slot 40 Diam. 16 Length 30' Bottom set at ... ft.

[Show location in Section Plat]

Township name ... Elev. ...

Description of location SW, NE Sec. 26, T 2 N, R 10 W

Sec. 26 Twp. 2 N Rge. 10 W

Location by Groundwater Div. St. Clair

Signed ... County St. Clair

E. CLAIR

Copy for Illinois State Geological Survey No ENVELOPE Index: 26-2N-10W

Plotted on photo

Scale 1" = 377'

12

LOG OF WATER WELL

Property owner Monsanto Chem. Co. Well No. 19

(80'S+E of main entrance gate) K.W. # 2

Drilled by Layne-Western (J. Galle) Year Aug. 1948

Formations passed through	Thickness	Depth of Bottom
Cinder + clay fill	2	2
Brown sand	14	16
Brown + blue clay	2	18
Brown dirty sand	27	45
Med. gray sand	5	50
Med like clammy gray sand	5	55
Med. coarse sand + gravel, mixed cotton wood	6	61
Coarse sand + gravel	5	66
Black Mud limb, some gravel	7	73
Coarse sand + gravel	2	75
Coarse brown sand	5	80
Med. brownish gray sand + boulders	4	84
Coarse gray sand	6	90
" " " + gravel	18	108

[Continue on back if necessary]

COUNTY No. 1948

Finished in ... to ... ft.

Cased with ... inch ... from 0 to ... ft.

and ... inch ... from ... to ... ft.

Size hole below casing ... inch. Static level from surf. ... ft.

Tested capacity ... gal. per min. Temperature ... °F.

Water lowered to ... ft. ... in. in ... hrs. ... min.

Length of test ... hrs. ... min. Screen Shutter

Slot ... Diam. ... Length 25 Bottom set at ... ft.

[Show location in Section Plat]

Township name ... Elev. ...

Description of location NE, NE Sec. 26, T 2 N, R 10 W

Sec. 26 Twp. 2 N Rge. 10 W

Signed ... County St. Clair

E. CLAIR

Copy for Illinois State Geological Survey No ENVELOPE Index: 26-2N-10W

1589 435

Illinois Central Railroad.

LOG OF WATER WELL

Property owner Midwest Rubber Reclaiming Co. Well No. 2

Drilled by Thorpe (Morgan) Year ?

Formations passed through	Thickness	Depth of Bottom
Sandy soil	27	27
Fine silt	8	35
Coarse sand + pea gravel	8	43
Ft. fine sand + silt	21	64
Very coarse sand	6	70
Coarse sand, wood, Sawdust, veg., etc.	11	81
Very coarse sand	5	86
Very coarse sand + gravel	28	114

[Continue on back if necessary]

Finished in ... to ... ft.

Cased with ... inch ... from 0 to ... ft.

and ... inch ... from ... to ... ft.

Size hole below casing ... inch. Static level from surf. 25'6" ft.

Tested capacity ... gal. per min. Temperature ... °F.

Water lowered to ... ft. ... in. in ... hrs. ... min.

Length of test ... hrs. ... min. Screen ...

Slot ... Diam. ... Length ... Bottom set at ... ft.

[Show location in Section Plat]

Township name ... Elev. ...

Description of location ...

Sec. 26 Twp. 2N Rge. 10W

Location by Drainage Dist. No. 5

Signed ... County St. Clair

ST. CLAIR No ENVELOPE 26-2N-10W

Copy for Illinois State Geological Survey Index:

COUNTY No. 1938

Mr. Eg # 435

Call Mr. Luther

LOG OF WATER WELL

Property owner Midwest Rubber Reclaiming Co. Well No. 3

Drilled by Thorpe (Morgan) Year 1951 Mar.

Formations passed through	Thickness	Depth of Bottom
Hard fill	3	3
Fine dirty sand + silt	34	37
Med. fine sand very dirty	14	51
Med. coarse sand, dirty	11	62
Building sand and fine gravel	9	71
Clean coarse sand	23	94
Coarse sand + boulders	8	102
Med. coarse sand	10	112

[Continue on back if necessary]

Finished in ... to ... ft.

Cased with ... inch ... from 0 to ... ft.

and ... inch ... from ... to ... ft.

Size hole below casing ... inch. Static level from surf. 35' after 18 ft.

Tested capacity ... gal. per min. Temperature ... °F.

Water lowered to ... ft. ... in. in ... hrs. ... min.

Length of test ... hrs. ... min. Screen ...

Slot ... Diam. ... Length ... Bottom set at ... ft.

[Show location in Section Plat]

Township name ... Elev. ...

Description of location ...

Sec. 26 Twp. 2N Rge. 10W

Location by Drainage District No. 5

Signed ... County St. Clair

ST. CLAIR No ENVELOPE 26-2N-10W

Copy for Illinois State Geological Survey Index:

COUNTY No. 1939

APPENDIX F

Illinois Department of Conservation
LINCOLN TOWER PLAZA • 524 SOUTH SECOND STREET • SPRINGFIELD 62701-1787 CHICAGO OFFICE • ROOM 4-300 • 100 WEST RANDOLPH • CHICAGO 60601
Brent Manning, Director John W. Comerio, Deputy Director Bruce F. Clay, Assistant Director

July 19, 1993

Lynnette Mick
LPC/IEPA
P.O. Box 19276
Springfield, IL 62794-9276

Re: ILD #006286520
Sterling Steel Foundry
St. Clair Co.

Dear Ms. Mick:

The Department has reviewed your July 6, 1993 request regarding the proposed CERCLIS Project in St. Clair County, Illinois.

Based on review, there are no sensitive resources (form attached) on-site, or in the 0-1/4, 1/4-1/2, or 1/2-1 mile radius of the site. No waterpath was identified for this site by IEPA.

Thank you for the opportunity to comment.

Sincerely,

Richard W. Lutz

Richard W. Lutz
Acting Chief
Division of Impact Analysis

RWL:mcp

attachment: sensitive resources form

DEPARTMENT OF CONSERVATION IDENTIFICATION OF ENVIRONMENTAL SENSITIVE AREAS

ILD#0062865 20

——=NONE KNOWN IN AREA

TARGET DISTANCE CATEGORIES

SENSITIVE ENVIRONMENTS	On-site	0-1/4 mile	1/4-1/2 mile	stream milage
I. Critical habitat for Federally designated or proposed endangered or threatened species	—	—	—	—
II. Habitat known to be used by Federally designated or proposed endangered or threatened species	—	—	—	—
III. State wildlife refuge	—	—	—	—
IV. Spawning areas critical for the maintenance of fish/ shellfish species within a river system	—	—	—	—
V. Terrestrial areas utilized by large or dense aggregations of verbebrate animals for breeding	—	—	—	—
VI. Habitat known to be used by State designated or threatened species	—	—	—	—
VII. Habitat known to be used by a species under review as to its Federal endangered or threatened status	—	—	—	—
VIII. State lands designated for wildlife or game management	—	—	—	—
IX. State designated natural area	—	—	—	—
X. Particular areas, relatively small in size, important to the maintenance of unique biotic communities	—	—	—	—

NO WATER PATH identified

If any of the sensitive areas identified above exist within the designated target distance limits, please post an asterisk (*) in the appropriate column.

APPENDIX G

Illinois State Water Survey

Hydrology Division
2204 Griffith Drive
Champaign, Illinois 61820-7495
Telephone (217) 333-4300
Telefax (217) 333-6540

July 26, 1993

Ms. Lynnette A. Mick
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62794-9276

Dear Ms. Mick:

As you requested by your letter dated July 6, we are enclosing the computer printouts for private well and municipal well information located in all Sections of Townships 1N. and 2N., Ranges 9W. and 10W., in St. Clair County. Also enclosed is an template to help locate the wells on a topographic map.

No available information is indicated on the printout by the statement "0 records were found for the specified locations." Also enclosed are explanations of the Illinois State Water Survey Private Well Database and the PICS (Public, Industrial, Commercial Survey) Database.

The data included in the computerized database (the Private Well Inventory Database) are those non-municipal wells which are known to the Illinois State Water Survey, and the PICS database is an inventory of municipal well information and large industrial ground-water users. We may not have a paper copy of well records for these ground-water users.

If you have any questions or if we can be of further assistance, please call.

Sincerely,

Susie Dodd
Assistant Supportive Scientist
Office of Ground-Water Information
Phone: (217) 333-9043

sd/law

Enclosures as stated

ILLINOIS STATE WATER SURVEY
PICS DATABASE EXPLANATION

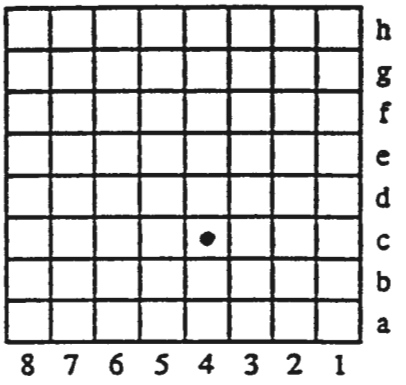
SWS ID	ISWS facility ID number
Name	Facility name
No.	ISWS point source well/intake number
Status	Point source status of well/intake
	A = Abandoned - no longer in existence, no affidavit on file, or do not know if it has been filled in C = Capped - cap attached to top D = Disconnected - disconnected from system E = Emergency - available for standby use I = In Use - produces major portion of water O = Observation - used for water level measurements S = Sealed - filled in U = Unused - exists but not used
Location	County, Township, Range, Section, 10-Acre plot
Depth	Depth (well to nearest ft)
Type log	D = driller's log C = correlated log S = sample study log - = log not available
Year constructed	Year point source initially constructed
Driller	Well drilling contractor of well

ISWS 10-ACRE PLOT LOCATION SYSTEM

The following is an explanation of the ISWS Private Well Database location system.

The location system uses the Township, Range, and Section. The location consists of five parts: County, Township, Range, Section and coordinate within the section (subsection or 10-acre plot). Sections are divided into rows of ⅛ mile squares. Each ⅛ mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of ⅛ mile squares: an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

Example: St. Clair County FIP No. 163
T.2N., R.10W
Section 23



The location of the well shown above is 163 2N10W-23.4c. The well point is located at the center of this 10-acre plot.

ILLINOIS STATE WATER SURVEY
PRIVATE WELL DATABASE EXPLANATION

TWN	TOWNSHIP
RNG	RANGE
SC	SECTION
PL	PLOT LOCATION
OWNER	WELL OWNER
DRILLER	WELL DRILLING CONTRACTOR OF WELL
DATE	DATE INITIALLY DRILLED
PERMIT	PERMIT CODE LETTER INDICATED AGENCY WHICH ISSUED PERMIT # M - MINES AND MINERALS (After 1988 Only Observation Wells And Irrigation Wells) P - PUBLIC HEALTH (All Non-Community Supplies) E - EPA (Community Supplies) N - NO FEE X - UNDETERMINED
DEPTH	DEPTH (Well To Nearest Ft)
REC	RECORD TYPE (Types of Information on File) R - CONSTRUCTION REPORT A - AFFIDAVIT C - CHEMICAL ANALYSIS I - INVENTORY X - INDICATES COMMENT IN OWNERS FIELD SOMETHING UNUSUAL O - ANY OTHER TYPE OF RECORD
US	WELL USE - A TWO LETTER CODE INDICATING THE USAGE OF THE WELL CM - COMMERCIAL CO - CONSERVATION DO - DOMESTIC IN - INDUSTRIAL IR - IRRIGATION MO - MONITORING MU - MUNICIPAL NC - NON-COMMUNITY OB - OBSERVATION PK - PARK SC - SCHOOL ST - STATE

TY	WELL TYPE (A Two Letter Code Indicating The Type of Well) BLANK - ASSUMED DRILLED BO - BORED AND DUG DU - DUG (Being Phased Out) DR - DRIVEN SP - SAND POINT SG - SPRING
AQ	AQUIFER TYPE (A Two Letter Code Indicating Aquifer Type) BR - BEDROCK UN - UNCONSOLIDATED

THE DATA IN THE PRIVATE WELL INVENTORY DATABASE IS A LISTING OF THE NON-MUNICIPAL WELLS WHICH ARE KNOWN TO THE ILLINOIS STATE WATER SURVEY (ISWS). THIS INFORMATION HAS BEEN ENTERED VERBATIM FROM WELL LOGS SUBMITTED BY THE DRILLER, FROM CHEMICAL ANALYSIS REPORTS, FROM WELL SEALING FORMS, OR WELL INVENTORY FORMS FROM THE 1930-34 WELL SURVEY AND OTHER SPECIAL PROJECTS. THE ACCURACY OF THIS DATA IS CONTROLLED BY THOSE WHO SUBMITTED THE FORM. INFORMATION IN THE PRIVATE WELL DATABASE HAS NOT BEEN VERIFIED.

County: St._Clair

Township Code: N
Range Code: No
Section Codes: (All)

319 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-9043
Publication: Please cite the Illinois State Water Survey's Private-Well Database in all publications based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
132773					Non Responsive		00/00/1906		30	D		DU	
132776							00/00/1894		35	D		DU	
132775							00/00/1902		34	D		DU	
132774							00/00/1930		10	D		DU	
132778						TOHEY	00/00/1941		480	D	DO		
132779						TOHEY	00/00/1941		450	DSRG	DO		
132782						KOHNEN	02/09/1987	M128750	51	RG		DU	
132781						KOHNEN	07/30/1985	M119226	46	RG		DU	
132780						KOHNEN	12/03/1984	M116043	43	RG		DU	
132777							00/00/1860		45	DC		DU	
132783						KOHNEN	07/30/1985	M119225	37	RG		DU	
132784							00/00/1856		42	D		DU	
132785							00/00/1888		49	D		DU	
132786							00/00/1900		35	D		DU	
132787						ST CH DRILL	08/25/1982	M104472	320	RG	DO		
132788						DOHRMAN	06/00/1980	M094028	330	DRSC	DO		
132790						KOHNEN	01/20/1986	M120767	32	RG		DU	
132789						KOHNEN	10/30/1985	M121042	404	RG	DO		
135253						DOHRMAN	12/20/1982	M105811	292	L	CM		
132791						NOLL	04/20/1981	M098240	44	RG		DU	
132792						NOLL	06/23/1978	M073939	57	RG		DU	
132793						DOHRMAN	07/23/1985	M119060	247	RG	DO		
132797							00/00/1859		45	D		DU	
132795							00/00/1868		54	DG		DU	
132794					Non Responsive		00/00/1890		31	D		DU	
132796							00/00/1894		50	D		DU	
132798						DS DRILL	06/25/1972	M018275	190	RG	DO		
132800						HAUDRICH	04/17/1970	M009338	247	RG	DO		
132799						HAUDRICH	08/14/1968	M005399	248	RG		DU	
132801						DS DRILL	06/17/1974	M030628	190	RG	DO		
132802						DOHRMAN	09/20/1970	M051914	227	RG	DO		
132804							00/00/1884		48	D		DU	
132805							00/00/1900		54	D		DU	
132806							00/00/1904		66	D		DU	
132803							00/00/1907		85	D	DO		
132807						WISE	00/00/1945		150	RG	DO		
132908						WISE	00/00/1945		200	RG	DO		
132809						ST CH DRILL	05/27/1975	M037917	125	RG	DO		
132927						HAUDRICH	04/10/1974	M028244	411	L	DO		
132810						ST CH DRILL	09/14/1983	M108887	320	RG	DO		
132811						HAUDRICH	11/19/1975	M041528	270	RG	DO		
132812						HAUDRICH	07/16/1977	M062254	227	RG	DO		
132815							00/00/1894		60	D		DU	
13 13							00/00/1932		29	D		DU	
132814							00/00/1934		27	D		DU	

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	CO
132733					Non Responsive		00/00/1860		25	O	__	DU	~~
132732							00/00/1884		42	O	__	DU	~~
132735							00/00/1920		30	O	__	DU	~~
132738						ROLSTON	00/00/1949		165	RG	DO	~~	~~
132734							00/00/1909		50	O	__	DU	~~
132736							00/00/1937		555	C	DO	~~	~~
132739							00/00/1869		45	O	__	DU	~~
132740							00/00/1926		61	O	__	DU	~~
132741						ST CH DRILL	01/15/1976	M043981	365	RG	DO	~~	~~
132742						ST CH DRILL	04/11/1984	M109530	405	RG	DO	~~	~~
132743						DOHRMAN	05/21/1979	M085157	394	RG	DO	~~	~~
132744						HAUDRICH	07/08/1970	M009522	471	RG	DO	~~	~~
132745						DOHRMAN	11/21/1978	M081142	292	RG	DO	~~	~~
132746						DOHRMAN	05/06/1983	M106914	398	RG	DO	~~	~~
132748						DOHRMAN	08/04/1986	M125430	394	RG	DO	~~	~~
132747						DOHRMAN	11/24/1978	M082455	222	RG	DO	~~	~~
132737							00/00/1894		44	L	__	DU	~~
134998							00/00/1917		480	C	CM	~~	~~
132749							00/00/1931		11	O	__	DU	~~
132750						QUAL FRM EQUIP	00/00/1954		205	RG	DO	~~	~~
135206						HAVERSTICK	00/00/1959		400	L	CM	~~	~~
132751						DOHRMAN	09/04/1979	M088157	394	RG	DO	~~	~~
132752						KOHNEN	03/25/1986	M122668	77	RG	DO	~~	~~
132753						ST CH DRILL	02/06/1985	M116469	380	RG	DO	~~	~~
132754						WILSON	11/19/1968	M006224	229	XRG	DO	~~	~~
132755							00/00/1943		29	C	__	DU	~~
132756						LAYNE WESTERN	04/00/1947		105	L	CM	~~	~~
132757						DOHRMAN	09/01/1977	M065458	207	RG	DO	~~	~~
132758						DS DRILL	09/11/1974	M032393	140	RG	DO	~~	~~
132759							00/00/1943		27	C	__	DU	~~
132761							00/00/1894		33	OC	__	DU	~~
132760							00/00/1900		35	O	__	DU	~~
132764							00/00/1904		22	O	__	DU	~~
132763							00/00/1929		35	O	__	DU	~~
132765						WISE	00/00/1946		125	RG	DO	~~	~~
226485						DOHRMAN	09/27/1990	M018586	312	RG	DO	--	BR
132766						HAUDICH	09/16/1983	M108900	354	RG	DO	~~	~~
209478						DOHRMAN	08/29/1989	M013596	312	XRG	DU	--	BR
132769							00/00/1849		62	O	__	DU	~~
132768							00/00/1870		50	O	__	DU	~~
132767							00/00/1900		43	O	__	DU	~~
135208						KOHNEN	11/30/1984	M115575	230	L	CM	~~	~~
132770						HAUDICH	11/20/1979	[illegible]91531	308	RG	DO	~~	~~
1[illegible] 71							00/00/1926		45	O	__	DU	~~
132772						TOUCHETTE	05/00/1956		42	OC	__	DU	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	WD
132817						DOHRMAN	06/15/1985	M118288	247	RG	DO	~~	~~
135096						HAUDRICH	01/25/1974	M026568	270	L	CM	~~	~~
132816							00/00/1953		270	OC	DO	~~	~~
195743						HAUDRICH	09/21/1989	M14186	206	XRG	DO	--	BR
209481						DOHRMAN	04/10/1989	M010142	185	XRG	DO	--	BR
132818						ST CH DRILL	08/31/1970	M010489	145	RG	DO	~~	~~
132819						ST CH DRILL	10/01/1973	M025688	145	RG	DO	~~	~~
132820						KOHNEN	06/17/1986	M124021	142	RG	DO	~~	~~
132821						KOHNEN	01/15/1987	M128941	112	RG	DO	~~	~~
132822						ST CH DRILL	06/22/1978	M072919	205	RG	DO	~~	~~
132823						ST CH DRILL	06/10/1976	M047350	89	RG	IR	~~	~~
132826							00/00/1874		25	O	__	DU	~~
132824							00/00/1902		40	O	__	DU	~~
132825							00/00/1929		30	O	__	DU	~~
132827						QUAL FRM EQUIP	00/00/1955		117	RG	DO	~~	~~
132829						DOHRMAN	07/16/1979	M086660	354	RG	DO	~~	~~
132828						DOHRMAN	08/14/1979	M086662	354	RG	DO	~~	~~
132831						DOHRMAN	03/15/1987	M129947	558	RG	DO	~~	~~
132830						DS DRILL	05/06/1973	M022317	87	RG	DO	~~	~~
132832						DOHRMAN	09/30/1977	M066803	187	RG	DO	~~	~~
132833						DOHRMAN	05/04/1980	M092879	354	RG	DO	~~	~~
132834						ST CH DRILL	03/22/1976	M451477	175	RG	DO	~~	~~
132835						HAUDRICH	05/05/1978	M073398	108	RG	DO	~~	~~
132836						HAUDRICH	04/05/1978	M072516	148	RG	DO	~~	~~
132837						ST CH DRILL	04/25/1983	M106773	68	RG	DO	~~	~~
132838						DOHRMAN	05/31/1981	M099127	270	RG	DO	~~	~~
132839						ST CH DRILL	07/19/1986	M124735	325	RG	DO	~~	~~
132840						ST CH DRILL	01/26/1976	M044331	185	RG	DO	~~	~~
132841						KOHNEN	04/19/1984	M111948	30	RG	__	DU	~~
132843							00/00/1874		50	O	__	DU	~~
132842							00/00/1934			O	__	DU	~~
132844						DOHRMAN	01/05/1988	M136634	251	RG	DO	~~	~~
132845						KOHNEN	11/10/1987	M133424		O	DO	~~	~~
132846						ST CH DRILL	10/21/1985	M118042	185	RG	DO	~~	~~
132847						DOHRMAN	04/15/1979	M083745	180	RG	DO	~~	~~
132848						HARDRICH	03/14/1979	M073397	177	RG	DO	~~	~~
132849						ST CH DRILL	01/22/1976	M044209	185	RG	DO	~~	~~
132851							00/00/1874		30	O	__	DU	~~
132850							00/00/1920			O	__	DU	~~
132854						KOHNEN	12/30/1976	M055467	65	RG	__	DU	~~
132852						HAUDRICH	09/25/1987	M135120	313	RG	DO	~~	~~
132853						DS DRILL	06/30/1974	M030743	150	RG	DO	~~	~~
132855						DOHRMAN	09/17/1979	88585	187	RG	DO	~~	~~
132859							00/00/1894		48	O	__	DU	~~
132857							00/00/1904		46	O	__	DU	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
132858					Non Responsive		00/00/1904		47	O	__	DU	~~
132856						WISE	00/00/1946		429	RG	DO	~~	~~
132860						KOHNEN	11/10/1980	M096687	31	RG	__	DU	~~
132861						HAUDRICH	07/18/1979	M087105	273	RG	DO	~~	~~
132862						HAUDRICH	04/05/1978	M072518	309	RG	DO	~~	~~
132864							00/00/1870		35	O	__	DU	~~
132863							00/00/1884		36	O	__	DU	~~
132865							00/00/1898		48	O	__	DU	~~
132866							00/00/1904		30	O	__	DU	~~
132867						ROLSTON	00/00/1949		73	RG	DO	~~	~~
132868						KOHNEN	05/03/1985	M117471	41	RG	__	DU	~~
132869						KOHNEN	07/23/1985	M118996	44	RG	__	DU	~~
132870						KOHNEN	09/17/1985	M120276	50	RG	__	DU	~~
132875						KOHNEN	10/12/1987	M136044	68	RG	__	DU	~~
132873						KOHNEN	04/19/1984	M111656	45	RG	__	DU	~~
132872						BUSH	10/00/1980	M096582	50	RG	__	DU	~~
132874						KOHNEN	10/04/1985	M120507	46	RG	__	DU	~~
132871						KOHNEN	12/12/1978	M062284	48	RG	__	DU	~~
226327						KOHNEN	05/25/1990	M017778	67	RG	DO	BD	UN
132876						DOHRMAN	09/22/1987	M132161	210	RG	DO	~~	~~
132877						KOHNEN	10/10/1986	M127189	50	RG	__	DU	~~
132878						KOHNEN	07/02/1984	M113127	33	RG	__	DU	~~
132880						KOHNEN	04/21/1983	M106654	41	RG	__	DU	~~
132881						KOHNEN	07/31/1986	M125325	62	RG	__	DU	~~
132882						KOHNEN	04/06/1979	M082805	16	XRG	__	DU	~~
132883						KOHNEN	07/10/1984	M113339	17	RG	__	DU	~~
132884						KOHNEN	10/15/1979	M090170	95	RG	__	DU	~~
132887						KOHNEN	07/24/1984	M113505	50	RG	__	DU	~~
132885						DOHRMAN	09/28/1979	M065390	473	RG	DO	~~	~~
132886						KOHNEN	10/26/1984	M115464	53	RG	__	DU	~~
132892						KOHNEN	02/13/1985	M115673	40	RG	__	DU	~~
132889						KOHNEN	09/30/1983	M109446	44	RG	__	DU	~~
132888						KOHNEN	10/09/1986	M120601	44	RG	__	DU	~~
132890						KOHNEN	12/02/1983	M110575	40	RG	__	DU	~~
132891						KOHNEN	04/26/1985	M116972	42	RG	__	DU	~~
132895						KOHNEN	03/26/1986	M122224	66	RG	__	DU	~~
132897						KOHNEN	08/20/1984	M114180	22	RG	__	DU	~~
132894						KOHNEN	08/29/1985	M119727	51	RG	__	DU	~~
132898						KOHNEN	08/30/1984	M114351	52	RG	__	DU	~~
132893						KOHNEN	10/16/1985	M120772	52	RG	__	DU	~~
132896						KOHNEN	10/27/1987	M136369	75	RG	__	DU	~~
132902						KOHNEN	01/06/1986	M121936	56	RG	__	DU	~~
132901						KOHNEN	05/19/1986	23495	40	RG	__	DU	~~
13 79						KOHNEN	08/16/1985	19445	63	RG	__	DU	~~
132900						KOHNEN	10/31/1985	M121047	55	RG	__	DU	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
132903					Non Responsive	ST CH DRILL	05/04/1977	M059752	285	RG	DO	~~	~~
132904						KOHNEN	09/01/1976	M051080	50	RG	__	DU	~~
132905						KOHNEN	09/17/1985	M120277	61	RG	__	DU	~~
132907						DOHRMAN	01/15/1984	M110859	456	RG	DO	~~	~~
132906						DOHRMAN	02/10/1984	M110860	456	RG	DO	~~	~~
132908						ST CH DRILL	06/08/1977	M061640	305	RG	__	DU	~~
132909					Non	KOHNEN	01/17/1987	M116374	59	RG	__	DU	~~
132910						KOHNEN	08/07/1986	M125326	61	RG	__	DU	~~
132911						KOHNEN	01/17/1985	M116375	45	RG	__	DU	~~
132912						KOHNEN	05/07/1986	M123394	51	RG	__	DU	~~
132913						KOHNEN	05/17/1985	M117759	58	RG	__	DU	~~
132914						KOHNEN	06/22/1968	M004183	38	RG	__	DU	~~
132915						HAUDRICH	10/13/1979	M089238	278	RG	DO	~~	~~
209386						KOHNEN	05/07/1990	M017641	55	XRG	DO	BD	UN
132916						KOHNEN	07/11/1984	M113318	50	RG	__	DU	~~
132917						KOHNEN	05/28/1986	M123849	62	RG	__	DU	~~
132918						KOHNEN	08/28/1985	M119782	51	RG	__	DU	~~
132919						KOHNEN	10/06/1986	M127139	47	RG	__	DU	~~
132920						KOHNEN	09/25/1985	M120181	71	RG	__	DU	~~
132921						HAUDRICH	10/22/1971	M015040	411	RG	DO	~~	~~
132923							00/00/1860		62	O	__	DU	~~
132922							00/00/1933		38	O	__	DU	~~
132924						ROLSTON	00/00/1949		423	RG	DO	~~	~~
132925						HAUDRICH	00/00/1966		318	RG	DO	~~	~~
132926						HAUDRICH	03/20/1974	M028015	411	RGC	DO	~~	~~
231408						KOHNEN	01/23/1992	M16391009	55	RG	DO	BD	--
132928						DOHRMAN	04/29/1977	M059095	390	RG	DO	~~	~~
132929						DOHRMAN	03/25/1977	M056234	350	RG	DO	~~	~~
132931							00/00/1850		40	O	__	DU	~~
132930							00/00/1894		42	O	__	DU	~~
226519						KOHNEN	06/19/1991	M020250	210	RG	DO	--	BR
132932						DOHRMAN	12/08/1979	M091304	330	RG	DO	~~	~~
132933						DOHRMAN	07/25/1976	M048985	226	RG	DO	~~	~~
132934						ST CH DRLL	11/04/1976	M050695	245	RG	DO	~~	~~
132935						HAUDRICH	__/__/1___	M085835	225	RG	DO	~~	~~
132937							00/00/1867		53	O	__	DU	~~
132938							00/00/1880		24	O	__	DU	~~
132936							00/00/1897		47	O	__	DU	~~
226276						DOHRMAN	11/19/1990	M019578	230	RG	DO	--	BR
132939						DOHRMAN	12/25/1986	M128426	288	RG	DO	~~	~~
209485						DOHRMAN	07/18/1989	M012276	230	XRG	DO	--	BR
132940						KOHNEN	11/30/1971	M013058	29	RG	__	DU	~~
20[illegible]15						KOHNEN	12/05/1989	6096	217	XRG	DO	--	BR
13 11							00/00/1874		33	OC	__	DU	~~
132943							00/00/1870		35	O	__	DU	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DRLL	PERMIT	DPTH	REC	US	T.	AQ
132942					Non Responsive		00/00/1884		40	O	__	DU	~~
226273						DOHRMAN	11/06/1990	M019063	272	RG	--	--	BR
132944						DOHRMAN	01/07/1985	M116165	292	RG	DO	~~	~~
132945						ST CH DRILL	10/11/1976	M051846	405	RG	DO	~~	~~
132946						DS DRILL	09/10/1972	M019664	125	RG	DO	~~	~~
132947						HAUDRICH	09/25/1987	M135118	313	RG	DO	~~	~~
132949							00/00/1850		40	O	__	DU	~~
132948							00/00/1884		50	O	__	DU	~~
226509						DOHRMAN	06/26/1991	M019863	518	RG	DO	--	BR
132950						DOHRMAN	07/18/1985	M118975	251	RG	DO	~~	~~
132951						ST CH DRILL	12/07/1973	M026849	260	RG	DO	~~	~~
132952						DOHRMAN	07/02/1983	M107761	414	RG	DO	~~	~~
132953						HAUDRICH	11/29/1984	M115547	456	RG	DO	~~	~~
132954						DOHRMAN	09/21/1979	M085201	271	RG	DO	~~	~~
132955					Non	DOHRMAN	10/10/1980	M094495	454	RG	DO	~~	~~
226357						KOHNEN	09/18/1990	M018977	191	RG	DO	--	BR
132956						DOHRMAN	05/14/1984	M112302	374	RG	DO	~~	~~
132957						ST CH DRILL	05/19/1978	M010250	305	RG	DO	~~	~~
132958							00/00/1854		44	O	__	DU	~~
132959							00/00/1919		32	O	__	DU	~~
226262						KOHNEN	10/01/1990	M018860	171	RG	DO	--	BR
132960						DOHRMAN	09/05/1975	M038255	215	RG	DO	~~	~~
132961						DOHRMAN	09/15/1984	M113927	230	RG	DO	~~	~~
132962						KOHNEN	08/27/1986	M124876	344	RG	DO	~~	~~
132963						DOHRMAN	07/28/1983	M108373	86	RG	DO	~~	~~
132964						DOHRMAN	06/05/1977	M052914	350	RG	DO	~~	~~
132965						DOHRMAN	04/10/1984	M111745	230	RG	DO	~~	~~
132966						HAUDRICH	03/15/1987	M129225	210	RG	DO	~~	~~
209384						DOHRMAN	05/05/1990	M017799	190	XRG	DO	--	BR
132968							00/00/1859		70	O	__	DU	~~
132967							00/00/1894		35	O	__	DU	~~
132969							00/00/1904		36	OC	__	DU	~~
132970						QUAL FRM EDIIP	00/00/1954		90	RG	__	DU	~~
132971						DOHRMAN	02/27/1975	M044458	268	RG	DO	~~	~~
132972						DOHRMAN	02/25/1976	M044263	248	RG	DO	~~	~~
226258						HAUDRICH	02/21/1991	M019854	292	RG	DO	--	BR
209518						HAUDRICH DRILLING CO	10/25/1989	M015158	190	XRG	DO	--	BR
226269						KOHNEN	11/14/1990	M019491	52	RG	DO	BD	BR
132973						KOHNEN	05/14/1986	M123377	281	RG	DO	~~	~~
132974						DOHRMAN	07/28/1976	M048550	248	RG	DO	~~	~~
132879						HAUDRICH	10/29/1984	M115548	362	L	DO	~~	~~
132975						DOHRMAN	08/13/1976	M048266	145	RG	DO	~~	~~
1[illegible]76						KOHNEN	08/08/1986	[illegible]24770	190	RG	DO	~~	~~
1[illegible]78							00/00/1874		65	O	__	DU	~~
132980					Non Responsive		00/00/1889		52	O	__	DU	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
132979							00/00/1900		40	0	__	DU	~~
132981							00/00/1904		30	0	__	DU	~~
132977						MUELLER	00/00/1933		40	OC	__	DU	~~
132982						DOHRMAN	11/10/1983	M109866	210	RG	DO	~~	~~
132983						DOHRMAN	10/06/1987	M135860	210	RG	DO	~~	~~
132984						DOHRMAN	08/16/1985	M119746	353	RG	DO	~~	~~
270666						LINK	07/30/1991	M020649	25	RG	DO	BD	UN
132985						KOHNEN	09/10/1985	M126075	242	RG	DO	~~	~~
230664						DOHRMAN	08/14/1991	M020744		RG	DO	--	BR
132986						DOHRMAN	06/03/1983	M107356	234	RG	DO	~~	~~
132988						KOHNEN	09/11/1986	M126400	202	RG	DO	~~	~~
132987						KOHNEN	10/16/1986	M136745	202	RG	DO	~~	~~
132989						DOHRMAN	05/10/1995	M123582	226	RG	DO	~~	~~
132990						DOHRMAN	12/26/1986	M128157	271	RG	DO	~~	~~
132991						DOHRMAN	05/11/1976	M046266	306	RG	DO	~~	~~
132994							00/00/1894		32	0	__	DU	~~
132993							00/00/1903		59	0	__	DU	~~
132992							00/00/1904		36	RG	__	DU	~~
132995						KOHNEN	10/07/1980	M120608	281	RG	DO	~~	~~
135116							11/01/1938		320	LC	CM	~~	~~
132996						HAUDRICH	10/15/1989	M095610	293	RG	DO	~~	~~
132997						DOHRMAN	04/05/1982	M137409	230	RG	DO	~~	~~
132998						WILSON	11/04/1972	M020113	295	RGC	DO	~~	~~
132999						DOHRMAN	10/12/1980	M094655	272	RG	DO	~~	~~
133001							00/00/1884		30	0	__	DU	~~
133000							00/00/1904		28	0	__	DU	~~
133002						DOHRMAN	07/10/1984	M113331	372	RG	DO	~~	~~
133003						DOHRMAN	07/28/1978	M076375	375	RG	DO	~~	~~
226334						KOHNEN	07/13/1990	M016453	362	RG	DO	--	--
133004						KOHNEN	02/24/1988	M130477		XO	DO	~~	~~
133005						KOHNEN	10/29/1987	M135318	338	RG	DO	~~	~~
133006						ST CH DRILL	05/25/1984	M112026	380	RG	DO	~~	~~
133007						HAUDRICH	11/01/1971	M015037	370	RG	DO	~~	~~
133008						KOHNEN	06/25/1986	M123598	357	RG	DO	~~	~~
226341						KOHNEN	09/27/1990	M019130	362	RG	DO	--	BR
133009						DOHRMAN	06/13/1979	M085323	390	RG	DO	~~	~~
133010						DOHRMAN	10/03/1977	M087396	389	RG	DO	~~	~~
133011						DOHRMAN	09/03/1976	M050505	370	RG	DO	~~	~~
133014							00/00/1859		68	0	__	DU	~~
133013							00/00/1874		51	0	__	DU	~~
133012							00/00/1894		25	0	__	DU	~~
133016						ST CH DRILL	11/23/1972		365	IC	DO	~~	~~
13 15							00/00/1987		45	OC	__	DU	~~
13 17						ST CH DRILL	06/07/1978	M074639	365	RG	DO	~~	~~
133018						ST CH DRILL	06/13/1978	M074544	305	RG	DO	~~	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	FL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
133019					Non Responsive	ST CH DRILL	06/12/1978	M074545	325	RG	DO	~~	~~
133020						DOHRMAN	05/05/1976	M045940	350	RG	DO	~~	~~
206397						KOHNEN	02/05/1990	X16320	322	L	DO	--	BR
133021						DS DRILL	07/07/1977	M062853	348	RG	DO	~~	~~

County: St._Clair

Township Code: No
Range Code: 1No
Section Codes: (All)

74 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's
Ground Water Division @ (217)333-9043
Publication: Please cite the Illinois State Water Survey's
Private-Well Database in all publications
based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
133023					Non Responsive		00/00/1906		70	OG	__	DU	~~
135047							00/00/1913		100	C	CM	~~	~~
133022							00/00/1926		38	OG	__	DU	~~
133024							00/00/1930		1523	CX	DO	~~	~~
135156						WABASH	11/00/1956		110	L	IN	~~	~~
210389						KOHNEN	06/02/1989	M139805	57	XRG	DO		UN
210076						KOHNEN	09/03/1987	X134787	61	L	CM	BD	UN
210359						KOHNEN	09/03/1987	M134787	61	XRG	DO	BD	UN
133025							00/00/1943		31	C	__	DU	~~
226290						ST.CHARLES DRILLING	07/17/1990	M018358	305	RG	DO	--	BR
135291							00/00/1945		105	L	CM	~~	~~
133026						HAYES	00/00/1954		113	XOG	DO	~~	~~
135048						ST CH DRILL	05/13/1985	M117781	112	L	CM	~~	~~
133027							00/00/1971		33	C	__	DU	~~
133028							00/00/1899		27	RG	__	DU	~~
135292							00/00/1945		106	L	CM	~~	~~
133029							00/00/1943		26	C	__	DU	~~
135293							00/00/1945		117	L	CM	~~	~~
133030						BEANLAND	04/11/1977	M057846	111	RG	IR	~~	~~
206510						ST CHARLES DRILLING	12/29/1989	M016051	485	XRG	DO	--	BR
133031						DS DRILL	04/08/1988	M138538	538	RG	DO	~~	~~
133032							00/00/1943		27	C	__	DU	~~
133033							00/00/1985		405	OC	DO	~~	~~
133034						DEANLAND	04/14/1977	M057844	101	RG	IR	~~	~~
133035						LAYNE WESTERN	07/02/1976	M049172	97	RG	IR	~~	~~
133037							00/00/1930		560	C	DO	~~	~~
133038							00/00/1983		25	OC	__	DU	~~
133039						THOMAS	10/04/1929		285	RG	DO	~~	~~
133036						LUHR	09/04/1964		80	OGC	__	DU	~~
135278						ST CH DRILL	05/18/1976	M047079	102	L	CM	~~	~~
133040							00/00/1943		34	C	__	DU	~~
133041						ST CH DRILL	08/30/1977	M065143	52	RG	__	DU	~~
133042						LAYNE WESTERN	04/13/1978	M071616	97	RG	IR	~~	~~
133043						BEANLAND	04/02/1977	M057845	99	RG	IR	~~	~~
133044						ST CH DRILL	06/03/1987	M132232	100	RG	DO	~~	~~
135052						SACHS	00/00/1930		554	L	CM	~~	~~
135283						LUHR	10/09/1968	M005410	95	L	CM	~~	~~
133045						KOHNEN	08/04/1987	M134209	55	RG	__	DU	~~
135126							00/00/1943		165	C	CM	~~	~~
135125						LAYNE WESTERN	05/00/1949		110	L	CM	~~	~~
133046						HAUDRICH	05/26/1971	M012679	300	RG	DO	~~	~~
133047						ST CH DRILL	10/28/1974	M034102	325	RG	DO	~~	~~
133048							00/00/1983		335	OG	DO	~~	~~
133049						HAUDRICH	05/10/1973	M022397	210	RG	DO	~~	~~
133050						ST CH DRILL	06/27/1978	M075879	265	RG	DO	~~	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	L...E	PERMIT	DPTH	REC	US	TY	AQ
133051					Non Responsive	HAUDRICH	09/14/1967	M003242	355	RG	DO	~~	~~
133053						DS DRILL	02/13/1972	M021497	200	RG	DO	~~	~~
195748						HAUDRICH	08/21/1989	M012008	306	XRG	DO	--	BR
133054						HAUDRICH	05/06/1971	M012005	312	RG	DO	~~	~~
133056							00/00/1975		411	C	DO	~~	~~
133055						ROLSTON	06/00/1949		423	OC	DO	~~	~~
133057						HAUDRICH	10/04/1985	M120568	600	RG	DO	~~	~~
133058						DS DRILL	10/18/1980	M094747	66	RG	DO	~~	~~
133059						ST CH DRILL	07/20/1966		265	RG	DO	~~	~~
133060						HAUDRICH	09/25/1971	M014525	354	RG	DO	~~	~~
209389						ST CHARLES DRILLING	07/28/1989	X13297	103	L	DO	--	UN
135203						DYROFF	00/00/1929		527	L	CM	~~	~~
133062						PIONEEROILL	00/00/1938		511	RG	DO	~~	~~
133063							00/00/1943		51	C		DU	~~
133064						ST CH DRILL	08/29/1977	M065459	104	RE	SC	~~	~~
133061						PIONEER OIL	00/00/1938		560	RG	DO	~~	~~
133075						DS DRILL	08/06/1983	M108371	400	RG	DO	~~	~~
133065						CRAWFORD	07/15/1969	M007552	200	RG	DO	~~	~~
135219							00/00/1943		27	C	CM	~~	~~
133066						ST CH DRILL	08/04/1978	M077375	400	RG	DO	~~	~~
133067						DOHRMAN	08/13/1979	M087532	272	RG	DO	~~	~~
133068						ST CH DRILL	05/24/1978	M073537	285	RG	DO	~~	~~
133052						ST CH DRILL	05/30/1984	M111979	205	L	DO	~~	~~
133069						HAUDRICH	08/26/1985	M119008	456	RG	DO	~~	~~
133070						HAUDRICH	04/09/1968	M004458	227	RG	DO	~~	~~
133071						ST CH DRILL	09/21/1984	M114078	545	RG	DO	~~	~~
133072						DS DRILL	03/29/1983	M107279	374	RG	DO	~~	~~
133073						QUAL FRM EQUIP	00/00/1955		98	RG	DO	~~	~~
133074						GWIN DRILL	00/00/1966		405	XRG	DO	~~	~~

County: St._Clair

Township Code: 0N
Range Code: N
Section Codes: (All)

110 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-9043
Publication: Please cite the Illinois State Water Survey's Private-Well Database in all publications based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

Non Responsive

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	I E	PERMIT	DPTH	REC	US	TY	AQ
135078							00/00/1906		57	C	CM	~~	~~
134989							00/00/1914		100	C	CM	~~	~~
134959							00/00/1917		130	C	IN	~~	~~
135057							00/00/1917		98	C	CM	~~	~~
135071						BUTLER	04/20/1953		114	L	CM	~~	~~
134962						BAITS	09/05/1917		115	L	IN	~~	~~
134939							00/00/1954		115	C	DO	~~	~~
135070							00/00/1954		107	I	CM	~~	~~
135104						ST CH DRILL	07/25/1981	M100466	84	L	CM	~~	~~
134940						KOHNEN	12/16/1969	M005707	48	L	__	DU	~~
135077						WATSON	00/00/1949		92	L	CM	~~	~~
135147							00/00/1945		205	LX	CM	~~	~~
135088							00/00/1949			C	CM	~~	~~
135059						WISE	00/00/1924		120	L	CM	~~	~~
135058							00/00/1943		177	C	CM	~~	~~
135076						WATSON	04/23/1948		100	L	CM	~~	~~
135031							00/00/1948		100	IC	CM	~~	~~
135075						WATSON	04/00/1948		110	L	CM	~~	~~
134966							00/00/1960		115	IC	DO	~~	~~
135056							00/00/1922		123	C	CM	~~	~~
135284							00/00/1931		115	LC	CM	~~	~~
135060							09/00/1943		116	L	CM	~~	~~
135228							00/00/1944		91	C	CM	~~	~~
135232						MO DRILL	00/00/1984		58	A	CM	~~	~~
135234						MO DRILL	00/00/1984		58	A	CM	~~	~~
135233						MO DRILL	00/00/1984		58	A	CM	~~	~~
135276						WATSON	08/00/1942		123	L	CM	~~	~~
135277						WATSON	10/00/1942		17	L	CM	~~	~~
135255							00/00/1931		100	IC	CM	~~	~~
134974						WATSON	00/00/1938		112	C	CM	~~	~~
134976						WATSON	10/00/1942		110	CL	CM	~~	~~
134977						WATSON	06/00/1942		122	CL	CM	~~	~~
134975						WATSON	00/00/1943		100	C	CM	~~	~~
134941						HAMEL DR	03/02/1971	M036236	29	L	__	DU	~~
135055						WATSON	00/00/1967		85	LC	CM	~~	~~
210415						KOHNEN	04/24/1989	X9769	78	L	DO		UN
135032						KOHNEN	10/06/1980	M096992	70	L	CM	~~	~~
135025						WATSON	02/00/1942		120	L	CM	~~	~~
135026						LUHR	00/00/1962		112	IC	CM	~~	~~
135027						LUHR	07/19/1966		115	IC	CM	~~	~~
135024							00/00/1941		111	LC	CM	~~	~~
135028							00/00/1906		100	L	CM	~~	~~
135069						LAYNE WESTERN	00/00/1968		106	I	CM	~~	~~
135072						BUTLER	04/21/1958		116	L	CM	~~	~~
180948						KENNEDY	04/05/1989		106	L	IR	--	UN

County: St._Clair

Township Code: No
Range Code: N
Section Codes: (All)

146 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's
Ground Water Division @ (217)333-9043
Publication: Please cite the Illinois State Water Survey's
Private-Well Database in all publications
based wholly or partially on this information.

Please Note:

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, chemical analysis reports, well sealing forms, well inventory forms from the 1930-1934 well survey, and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been verified.

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	L...E	PERMIT	DPTH	REC	US	AQ
134968					Non Responsive		00/00/1944		100	C	IN	~~ ~~
135207						WATSON	10/00/1941		83	L	CM	~~ ~~
134947						ST CH DRILL	07/27/1977	M063762	114	L	DO	~~ ~~
134948						KOHNEN	06/23/1994	M113125	61	L	IR	~~ ~~
135020							00/00/1936			C	CM	~~ ~~
134949							00/00/1908		7	C	__	DU ~~
135275						FOHEY	00/00/1941		380	L	CM	~~ ~~
134978							1 / /		97	C	CM	~~ ~~
134960							10/00/1940		1215	L	IN	~~ ~~
135083						KOHNEN	01/19/1981	M098111	32	L	__	DU ~~
135021							00/00/1972		98	IC	CM	~~ ~~
134963							00/00/1943		121	LC	IN	~~ ~~
134965							00/00/1943		112	L	IN	~~ ~~
134964							00/00/1943		118	LC	IN	~~ ~~
134961						BAITS	06/30/1925		115	LC	IN	~~ ~~
135086						WATSON	00/00/1943		118	L	CM	~~ ~~
135085							00/00/1943		100	C	CM	~~ ~~
134967							00/00/1944			C	IN	~~ ~~
134950							00/00/1919		72	L	__	DU ~~
134951							00/00/1984		315	C	DO	~~ ~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
180949	Non Responsive					KENNEDY	04/10/1989		86	L	IR	--	UN
135068						LUHR	03/06/1956		106	LC	CM	~~	~~
135067						FRANK	03/22/1957		100	L	CM	~~	~~
135073							00/00/1943		110	C	CM	~~	~~
135218						LAYNE WESTERN	08/14/1972	M016352	115	L	CM	~~	~~
135217						RUESTER	11/00/1983	M109867	117	L	CM	~~	~~
135214						WATSON	09/00/1941		115	L	CM	~~	~~
135198							00/00/1936		96	C	CM	~~	~~
135197						WATSON	03/00/1946		98	LC	CM	~~	~~
135289							00/00/1942		122	C	CM	~~	~~
135290							00/00/1942		124	C	CM	~~	~~
135286							00/00/1943		122	C	CM	~~	~~
135287							00/00/1943		124	C	CM	~~	~~
134942						ST CH DRILL	09/01/1987	M134817	220	L	DO	~~	~~
135008						MCCORD	05/16/1985	M116772	100	L	IR	~~	~~
134943						DS DRILL	11/15/1973	M026727	63	L	DO	~~	~~
135009						MCCORD	05/15/1985	M166774	118	L	IR	~~	~~
134944						LUHR	09/17/1964		116	LC	DO	~~	~~
135037						ST CH DRILL	12/08/1987	M137981	100	L	CM	~~	~~
134945							09/08/1964		98	L	DO	~~	~~
134946							00/00/1930		110	C	DO	~~	~~
135084							00/00/1954			C	PK	~~	~~
135050							02/00/1943		116	LC	CM	~~	~~
135288						WATSON	09/09/1939		59	L	CM	~~	~~
134972						WATSON	02/00/1947		105	L	CM	~~	~~
134971							00/00/1939		115	LC	CM	~~	~~
135051							00/00/1930		110	C	PK	~~	~~
135297						THORPE	06/00/1929		117	L	CM	~~	~~
135294							00/00/1928		100	C	CM	~~	~~
135295						THORPE	00/00/1947		114	L	CM	~~	~~
135296						THORPE	00/00/1947		115	L	CM	~~	~~
135300						LAYNE WESTERN	00/00/1947		117	LX	CM	~~	~~
135299						LAYNE WESTERN	00/00/1947		116	LX	CM	~~	~~
135298						THORPE	06/00/1929		113	L	CM	~~	~~
135216						THORPE	00/00/1947		114	IC	CM	~~	~~
134953							00/00/1949		84	C	CM	~~	~~
135229							00/00/1944		91	C	CM	~~	~~
135003						WATSON	00/00/1943		116	CL	CM	~~	~~
135226						ST CH DRILL	10/29/1986	M126802	100	L	CM	~~	~~
135066							00/00/1933		115	LC	CM	~~	~~
135200							00/00/1943		104	C	CM	~~	~~
135199							00/00/1943		104	C	CM	~~	~~
135016							09/03/1952		106	L	CM	~~	~~
135018							10/26/1950		110	L	CM	~~	~~
135095							00/00/1946		1220	C	CM	~~	~~

(OFFICE) (USE ONLY)	N	RNG	SC	PL	OWNER	DRILLER	...E	PERMIT	DPTH	REC	US	..	AQ
135023					Non Responsive	WATSON	__/__/1___		106	LIC	CM	~~	~~
135266							00/00/1934		108	L	CM	~~	~~
135264							00/00/1937		108	LC	CM	~~	~~
135263							00/00/1938		108	LC	CM	~~	~~
135231						LAYNE WESTERN	04/05/1976	M045371	97	LIC	CM	~~	~~
135259						THORPE	06/00/1943		108	L	CM	~~	~~
135230						LUHR	03/29/1957		100	LIC	CM	~~	~~
135049							00/00/1905		80	L	CM	~~	~~
135241							00/00/1943		108	C	CM	~~	~~
135285							00/00/1944		38	C	CM	~~	~~
135089							00/00/1939		110	C	CM	~~	~~
135053							00/00/1949		32	C	CM	~~	~~
135054							00/00/1949		39	C	CM	~~	~~
135103							00/00/1901		106	L	CM	~~	~~
135148						RANNEY	08/00/1952		97	L	IN	~~	~~
135149						RANNEY	08/00/1952		97	L	IN	~~	~~
135152						RANNEY	09/09/1952		90	L	OB	~~	~~
134957						WATSON	06/00/1946		80	L	CM	~~	~~
135017							00/00/1943		106	C	CM	~~	~~
135019						WATSON	12/00/1942		123	L	CM	~~	~~
135146						WATSON	00/00/1939		115	AX	IN	~~	~~
135142						WATSON	00/00/1940		115	A	IN	~~	~~
135140						EATSON	00/00/1943		16	A	IN	~~	~~
135144						WATSON	00/00/1946		92	A	IN	~~	~~
135145						WATSON	00/00/1951		106	A	IN	~~	~~
135143							00/00/1987		109	A	IN	~~	~~
135141							00/00/1987		105	A	IN	~~	~~
195199						ROBERTS	00/00/1989	XO	75	A	DO	--	--
135178						BARBATO	04/04/1984	M111659	68	LX	__	DU	~~
135177						BARBATO	04/04/1984	M111658	67	LX	__	DU	~~
135179						BARBATO	04/05/1984	M111660	68	LX	__	DU	~~
135182						BARBATO	04/14/1984	M111663	68	LX	__	DU	~~
135183						BARBATO	04/14/1984	M111664	68	LX	__	DU	~~
135184						BARBATO	04/14/1984	M111665	68	LX	__	DU	~~
135180						BARBATO	04/14/1984	M111661	68	LX	__	DU	~~
135185						BARBATO	04/14/1984	M111666	68	LX	__	DU	~~
135181						BARBATO	04/14/1984	M111662	68	LX	__	DU	~~
135186						BARBATO	04/14/1984	M111667	68	LX	__	DU	~~
135187						BARBATO	04/14/1984	M111668	68	LX	__	DU	~~
135188						BARBATO	04/14/1984	M111669	68	LX	__	DU	~~
135189						BARBATO	04/14/1984	M111670	68	LX	__	DU	~~
135190						BARBATO	04/14/1984	M111671	68	LX	__	DU	~~
135191						BARBATO	04/14/1984	M111672	68	LX	__	DU	~~
135192						BARBATO	04/14/1984	M111673	68	LX	__	DU	~~
135274						ST CH DRILL	07/02/1985	M118701	89	L	CM	~~	~~

(OFFICE) (USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
134988							00/00/1907		38	C	__	DU	~~
135161						WATSON	00/00/1941		105	L	IN	~~	~~
135164						WATSON	00/00/1941		102	LX	IN	~~	~~
135163						WATSON	00/00/1941		103	L	IN	~~	~~
135162						WATSON	00/00/1941		112	L	IN	~~	~~
135258						THORPE	00/00/1942		108	L	CM	~~	~~
135261						LUHR	00/00/1956		105	L	CM	~~	~~
135130							00/00/1957		109	L	IN	~~	~~
135175						LAYNE WESTERN	02/00/1948		102	LX	IN	~~	~~
135174						LAYNE WESTERN	02/00/1948		108	LX	IN	~~	~~
135262						LUHR	02/29/1956		101	L	CM	~~	~~
135260						WATSON	03/00/1947		103	L	CM	~~	~~
135158						WATSON	06/00/1941		106	L	IN	~~	~~
135132							06/00/1942		102	L	IN	~~	~~
135135						WATSON	06/00/1949		108	L	IN	~~	~~
135134						WATSON	10/00/1945		103	L	IN	~~	~~
135151							12/00/1925		105	L	IN	~~	~~
135257						THORPE	12/00/1942		70	L	CM	~~	~~
135133						WATSON	__/__/1___		116	L	IN	~~	~~
135173						LAYNE WESTERN	__/__/1___		110	LX	IN	~~	~~
135193						LUHR	00/00/1960		111	IC	CM	~~	~~
134990						LUHR	05/12/1960		111	LC	CM	~~	~~
135280						WATSON	00/00/1947		110	IC	CM	~~	~~
134994						WATSON	11/00/1947		110	LC	CM	~~	~~
134983						WATSON	00/00/1941		118	C	CM	~~	~~
135074						LAYNE WESTERN	04/10/1979		63	I	CM	~~	~~
134982						BAITS	00/00/1934		110	L	CM	~~	~~
134979						WATSON	02/00/1946		102	L	CM	~~	~~
134991							00/00/1967		108	C	CM	~~	~~
135124							04/00/1943		115	L	CM	~~	~~
134993						LUHR	00/00/1961		110	A	CM	~~	~~
135002						WATSON	07/00/1942		109	L	CM	~~	~~
135269						LUHR	11/20/1956		106	L	CM	~~	~~
135268						LUHR	05/25/1966		111	LC	CM	~~	~~
135265						THORPE	00/00/1932		107	C	CM	~~	~~
134984						WATSON	10/00/1942		110	C	CM	~~	~~
135256							00/00/1913		114	L	CM	~~	~~
135267						LAYNE WESTERN	03/12/1965		109	LIC	CM	~~	~~
134987						WATSON	04/00/1939		116	L	CM	~~	~~
134986						WATSON	04/00/1943		114	L	CM	~~	~~
134985						LAYNE WEST	10/00/1942		100	L	CM	~~	~~
135022						WATSON	00/00/1956		106	C	CM	~~	~~
134992						LAYNE WESTERN	03/15/1983		108	LC	CM	~~	~~
135240						LAYNE WESTERN	07/12/1982	M103931	108	L	CM	~~	~~
135029							00/00/1901		100	L	CM	~~	~~

Non Responsive

	TWN	RNG	SC	PL	OWNER	DRILLER	...E	PERMIT	DPTH	REC	US	TY	AQ
135273					Non Responsive	ST CH DRILL	12/17/1982	M105819	84	L	CM	~~	~~
135129						LUHR	02/14/1961		107	LC	IN	~~	~~
135128						LUHR	00/00/1959		114	C	IN	~~	~~
135114						THORPE	05/00/1951		110	L	CM	~~	~~
135137						WATSON	00/00/1943		95	L	IN	~~	~~
135153							00/00/1920		100	L	IN	~~	~~
135138						THORPE	00/00/1951		106	LA	IN	~~	~~
135136						WATSON	00/00/1955		112	L	IN	~~	~~
135131						LUHR	04/11/1957		113	L	IN	~~	~~
134969						WATSON	00/00/0000		102	L	IN	~~	~~
135110						MORGAN	00/00/1950		106	L	CM	~~	~~
135111						MORGAN	00/00/1950		114	L	CM	~~	~~
135100						WATSON	02/00/1947		104	L	CM	~~	~~
135116						WATSON	03/21/1960		113	L	CM	~~	~~
135115						WATSON	10/07/1959		110	L	CM	~~	~~
135112						THORPE	12/00/1946		111	L	CM	~~	~~
135251							00/00/1942		95	LC	CM	~~	~~
135170							00/00/1947		105	C	IN	~~	~~
135159						WATSON	00/00/1950		108	LX	IN	~~	~~
135011							00/00/1941		100	LC	CM	~~	~~
135012							07/00/1941		105	L	CM	~~	~~
135252							00/00/1973			C	CM	~~	~~
135160						WATSON	00/00/1941		107	L	IN	~~	~~
135171							00/00/1947		105	C	IN	~~	~~
135167							03/00/1941		107	LC	IN	~~	~~
134980						WATSON	00/00/1943		107	LX	CM	~~	~~
135097							00/00/1938		95	C	CM	~~	~~
135098							00/00/1942		110	C	CM	~~	~~
135166							01/00/1942		110	LC	IN	~~	~~
135169							10/00/1939		105	LC	IN	~~	~~
134973						WATSON	01/00/1942		105	LC	CM	~~	~~
135099						WATSON	06/00/1948		101	L	CM	~~	~~
135172							00/00/1947		109	C	IN	~~	~~
135165							10/00/1939		105	LC	IN	~~	~~
135168							02/00/1943		104	LC	IN	~~	~~
135046							00/00/1939		70	LC	CM	~~	~~
135015						LUHR	00/00/1970		111	CI	CM	~~	~~
135113						THORPE	03/00/1951		112	LC	CM	~~	~~
135041						ST CH DRILL	02/25/1983	M106208	90	L	CM	~~	~~
135040						ST CH DRILL	04/12/1976	M045480	78	L	CM	~~	~~
135117						LUHR	09/06/1968	M004849	115	LC	CM	~~	~~
135150						RANNEY	00/00/1952		100	L	IN	~~	~~
135154						RANNEY	08/01/1952		99	L	IN	~~	~~
135155						RANNEY	08/26/1952		97	L	IN	~~	~~
135157						LUHR	06/00/1959		101	L	IN	~~	~~

County: St. Clair

Township Code: No
Range Code: No
Section Codes: (All)

0 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-7223

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

County: St._Clair

Township Code: N
Range Code: N
Section Codes: (All)

2 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-7223

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

SWL ID	Name	No.	Status	Location	Depth	Type log	Year constructed	Driller
16338862	CARGILL SALT COMPANY	1	I	16301N10W278H	103	D	1989	ST CHARLES DRL CO
16346275	EAGLE MARINES INDUSTRIES,IND	1	I	16301N10W055F	112		1985	

County: St._Clair

Township Code: No
Range Code: No
Section Codes: (All)

15 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-7223

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

County: St._Clair

Township Code: No
Range Code: n
Section Codes: (All)

45 records were found for the specified locations.

Questions : Contact the Illinois State Water Survey's Ground Water Division @ (217)333-7223

Publication: Please cite the Illinois State Water Survey's PICS (Public-Industrial-Commercial) Database in all publications based wholly or partially on this information.

Please Note:

The data in the PICS Database is a listing of municipal and large industrial and commercial wells which are known to the Illinois State Water Survey (ISWS). The information was initially entered from public water supply data and supplemented with the Illinois Water Inventory Project data. This database is updated as additional information is received and verified.

SWS ID	Name	No.	Status	Location	Depth	Type log	Year constructed	Driller
16338840	GENERAL CHEMICAL CORPORATION	1	U	16302N09W	80			
16338880	HARCROS PIGMENTS INC	15	I	16302N09W087A	117			
16338890	CHEMTECH FLUORIDE MFG DIV	12	U	16302N09W298F	20			
16338920	PERFORMANCE PRODUCTS INC	1	D	16302N09W07	120			
16338920	PERFORMANCE PRODUCTS INC	8	D	16302N09W076E	106			
16338920	PERFORMANCE PRODUCTS INC	9	U	16302N09W076E	127			
16338945	FREEDOM CONCRETE	1	I	16302N09W151E	100		1987	
16339020	JOHN CORDER EQUIP CO	1	U	16302N09W				
16339020	JOHN CORDER EQUIP CO	2	U	16302N09W				
16339080	IDOT DIST 8-ESTL DEWTR COMPLEX	222	I	16302N09W		-	--	--
16339080	IDOT DIST 8-ESTL DEWTR COMPLEX	111	I	16302N09W07		-	--	--
16339080	IDOT DIST 8-ESTL DEWTR COMPLEX	333	I	16302N09W17		-	--	--
16395050	MOUND PWD	1	E	16302N09W013F	90	C	1958	LAYNE-WESTERN CO
16395050	MOUND PWD	2	S	16302N09W013G	92	D	1965	LAYNE-WESTERN CO
16395050	MOUND PWD	3	I	16302N09W014E	106	D	1984	LAYNE-WESTERN CO

	Name	No.	Status	Location	Depth	Type	Log	Year constructed	Driller
16338700	NATIONAL CITY STOCKYARDS CO	2	U	16302N10W12	112				
16338700	NATIONAL CITY STOCKYARDS CO	4	U	16302N10W12	112				
16338700	NATIONAL CITY STOCKYARDS CO	5	I	16302N10W12	112				
16338700	NATIONAL CITY STOCKYARDS CO	7	U	16302N10W121F	108				
16338700	NATIONAL CITY STOCKYARDS CO	6	I	16302N10W124G	108				
16338710	ROYAL PACKING CO OF ILL	1	U	16302N10W122E	100				
16338710	ROYAL PACKING CO OF ILL	4	U	16302N10W125G	97				
16338710	ROYAL PACKING CO OF ILL	2	U	16302N10W126H	100				
16338870	CERRO COPPER PRODUCTS	5	U	16302N10W265D	110				
16338870	CERRO COPPER PRODUCTS	6	U	16302N10W265D	111				
16338880	HARCROS PIGMENTS INC	10	A	16302N10W	65				
16338880	HARCROS PIGMENTS INC	12	I	16302N10W	70				
16338880	HARCROS PIGMENTS INC	14	I	16302N10W	130				
16338900	CIRCLE PACKING CORP	1	U	16302N10W					
16338900	CIRCLE PACKING CORP	2	U	16302N10W					
16338905	CLAYTON CHEMICAL CO	1	U	16302N10W268A	90				
16338915	MOBIL OIL CO	1	I	16302N10W333F	96				
16338930	MONSANTO CHEMICAL CO	2	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	3	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	4	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	5	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	1	I	16302N10W25	67				
16338930	MONSANTO CHEMICAL CO	6	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	16	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	7	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	8	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	9	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	10	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	11	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	12	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	13	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	14	I	16302N10W25	68				
16338930	MONSANTO CHEMICAL CO	15	I	16302N10W25	68				
16338935	TRADE WASTE INCINERATION INC	1	S	16302N10W25	84	D		1982	ST CHARLES DRL CO
16338935	TRADE WASTE INCINERATION INC	2	I	16302N10W25	89	D		1985	ST CHARLES DRL CO
16338950	MIDWEST RUBBER RECLAIMING	8	U	16302N10W26	113	D		1960	HAROLD WATSON
16338950	MIDWEST RUBBER RECLAIMING	4	U	16302N10W26	110	D		1951	THORPE WELL CO
16338950	MIDWEST RUBBER RECLAIMING	1	S	16302N10W267B	106	D		1928	THORPE WELL CO
16338950	MIDWEST RUBBER RECLAIMING	7	E	16302N10W267B	110	D		1959	HAROLD WATSON
16338950	MIDWEST RUBBER RECLAIMING	3	U	16302N10W267B	112	D		1951	THORPE WELL CO
16338950	MIDWEST RUBBER RECLAIMING	2	A	16302N10W267B	114	D		1937	THORPE WELL CO
16338950	MIDWEST RUBBER RECLAIMING	11	I	16302N10W268A	115	D		1968	LUHR BROS, INC
16338950	MIDWEST RUBBER RECLAIMING	10	I	16302N10W268A	115	D		1968	LUHR BROS, INC
16338970	STERLING STEEL CASTING CO	1	U	16302N10W	100				
16338970	STERLING STEEL CASTING CO	2	U	16302N10W	135				

(OFFICE USE ONLY)	TWN	RNG	SC	PL	OWNER	DRILLER	DATE	PERMIT	DPTH	REC	US	TY	AQ
135176	Non Responsive					RANNEY	00/00/1952		102	I	IN	~~	~~
134958						WATSON	06/00/1946		120	L	CM	~~	~~
135013						WATSON	06/00/1952		105	L	CM	~~	~~
135139						FUESTER	02/17/1984	M111171	96	L	IN	~~	~~
134952							00/00/0000			L	ST	~~	~~
135221						WATSON	00/00/0000		23	L	CM	~~	~~
135223						RUESTER	04/28/1978	M072589	102	L	CM	~~	~~
135222						LAYNE WESTERN	05/00/1978		100	IC	CM	~~	~~
135220							00/00/1943		73	C	CM	~~	~~
135045							10/15/1947		102	L	CM	~~	~~
135279						ST CH DRILL	11/07/1977	M068630	103	L	CM	~~	~~